NEO RHIO

Northeast Ohio Regional Health Information Organization

OneCommunity
Northeast Ohio Regional Health Information Organization

Federal Communications Commission
Rural Health Care Pilot Program

Quarterly Data Report

HealthNet

January 31, 2010

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1.0 Project Contact and Coordination Information

1.1 Project Leader

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1.2 Project Coordinator

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1.3 Legal and Financial Agent

OneCommunity is the organization that is legally and financially responsible for the conduct of activities supported by the award and is listed on the Internet at www.onecommunity.org.

OneCommunity is a nonprofit organization that serves Northeast Ohio by connecting public and nonprofit institutions to a next-generation fiber-optic network; enabling those institutions to offer enhanced, innovative solutions and transforming the region's image and economic future by attracting outside investment and creating business and job opportunities.

OneCommunity currently serves educational, governmental, research, arts and cultural, nonprofit and health care organizations across Northeast Ohio. OneCommunity currently provides network connections that provide access to these regional assets. The OneCommunity network is supported 24/7.

1.4 Community Support Collaboration

The OneCommunity and the Northeast Ohio Regional Health Information Organization (NEO RHIO) is providing community support and open HealthNet workshops for the regions healthcare community and will be hosting additional Telemedicine activities promoting collaboration. OneCommunity and NEO RHIO are both non-profit corporations serving Northeast Ohio. They are inclusive, multi-stakeholder collaborations dedicated to improving the quality, safety and efficiency of healthcare in Northeast Ohio through the use of information technology and the secure exchange of health information and incorporation of Telemedicine in our regional rural and urban healthcare systems.

Throughout this project, healthcare stakeholders, directly and indirectly affiliated with this project, receive a quarterly update on project status and programs that have influence on this project.

1.5 State and Regional Project Coordination

OneCommunity, NEO RHIO, local, county and state government along with other key medical and technology partners have coordinated this project under the name of **HealthNet**. With OneCommunity and the NEO RHIO as the central drivers, a collaborative outreach program has been designed and implemented and initial workshops have been heralded throughout Northeast Ohio. The outreach program identified key components of the project and presented a detailed overview. Some organizations received one to one presentations. A communications desk has been set up to answer any ongoing questions along with an internal SharePoint site for communication, document repository and document revision control.

There are some recent updates to our quarterly report as described in the Key Objectives Met section.

1.5.1 Outreach Communication Objectives

- Federal Communications Commission - Vision
- Rural Health Care Pilot - Goals
- What Does It Mean For Northeast Ohio?
- HealthNet Overview
- HealthNet Services
- HealthNet Benefits
- Communication with local, regional and state government
- Communication of government stimulus package and benefits for FCC Healthcare project
- Quarterly stakeholders status update

1.5.2 Key Objectives Met

- Evaluated 36 vendor proposals
    - Vendor scorecard
    - Followup vendor meetings for response verifications
- Vendors award completed in early June, 2009
- Project moved into vendor kickoff meeting phase
    - Construct ed detailed project plan with payment milestones
    - Developed a specific SharePoint site for project and field-based updates
    - Initiate weekly vendor update meetings
    - Customer project books created and distributed
        - Milestone reports
        - Baseline work effort diagrams
        - Sources and uses of funds
        - Procurement model and schedule
        - Invoicing cycle
- Enhanced sustainability model

2.0 Healthcare Facilities Included in this Network

As the Letters of Agency signature process evolved there were several modifications made to the hospital data in Table 2.1. This was principally in the area of contact names, contact information and the removal of a few hospitals that will participate in a 2nd RFP. There were no material changes to the hospital data or impact on the project.

All the hospital organizations that are part of the current HealthNet project are non-profit. There are multiple urban hospitals interested in participating in the HealthNet project. These urban centers are all non-profit. To the best of our knowledge and investigation, all rural organizations should be eligible under section 254 of the 1996 Act and the Commission's rules. The following table gives detail information on the hospitals Counties, addresses, zip code, Rural Urban Commuting Area (R UCA) code, contact information and phone number for each healthcare facility participating in the network. Contact persons may change at any time. We are currently engaged in discussions with other rural non-profit institutions that will participate in leveraging HealthNet. OneCommunity currently has over 72 hospitals, clinic and healthcare service organizations using HealthNet. With the expansion through the FCC RHCP Project, HealthNet will be expanding services to 16 rural Hospitals authorized under the agreement but will also be able to include additional rural health care institutions covering their own costs to connect.

All healthcare facilities in table 2.1 are public, non-profit, eligible entity under section 254 of the 1996 Act.

Table 2.1 - HealthNet Rural Hospitals – LOA Completed

System	Census Track	County	Facility Name & Address	RUCA C O D	HPSA	Contact Names	Phone
	9705.00	Ashland	**Samaritan Regional Health System** 1025 Center Street Ashland, OH 44805	4		Danny Boggs,	419-289-0491
CCHS	0006.01	Ashtabula	**Ashtabula County Medical Center** 2420 Lake Ave Ashtabula, OH 44004 **Glenbeigh of Rock Creek** 2420 Lake Ave Ashtabula, OH 44004	2 2	HPSA HPSA	Kevin Miller, Kevin Miller, CEO &	440-997-6520 440-997-6520
	0011.00	Ashtabula	**Jefferson Health Center** 222 East Beech St. Jefferson, Ohio 44047	3		Kevin Miller, CEO &	440-997-6520
UHHS	0001.03 0009.00	Ashtabula	**Conneaut Medical Center** 158 West Main Road Conneaut, OH 44030 **Geneva Medical Center** 870 West Main Street Geneva, OH 44041	2 4.2	HPSA HPSA	Rich Frenchie, Rich Frenchie, CEO	440-593-1131 440-593-1131
CHN & CC5 CHN & CC5	0411.00 9956.00	Erie Huron	**Firelands Regional Medical Center** 1101 Decatur St. Sandusky, Ohio 44870 **Fisher Titus Medical Center** 272 Benedict Ave., Norwalk, OH 44857	1		Chuck Stark, Dan Moncher, Pat Martin, CEO Wendy Melching,	419-557-7400 419- 557- 419-668-8101 419- 663-
CC5	0505.00	Ottawa	**H.B. Magruder Memorial Hospital** 615 Fulton Street, Port Clinton, OH 43452	4	45780	Dave Norwyne,	419- 557-
CC5 CC5	9622.00 9613.00	Sandusky MUA	**Bellevue** 811 NW St. Bellevue, Ohio 44811 **Memorial (Fremont)** 715 S. Taft Ave Fremont, OH 43420	7.3 4.2	HPSA HPSA	Mike Winthrop, Alan Ganci, CFO Al Gorman, CEO Rick Ruppel,	419-557-7400 419- 557- 419-668-8101 419- 663-
	0216.00 0211.00	Tuscarawas MUA	**Twin City** 819 N. First Street Dennison, OH 44621 **Union Hospital** 659 Boulevard Dover, OH 44622	4 4	HPSA HPSA	Marge Jentes, Bill Harding,	740-922-2800 330-343-3311
	0003.00		**Wooster Community** 1761 Beall Ave. Wooster, Ohio 44691	4		Bill Sheron, CEO	330-263-8100
	9917.00	Coshocton	**Coshocton County Memorial Hospital** 1460 Orange Street Coshocton, OH 43812	4		Seth Peterson	740-623-4128
	9521.00	Columbiana	**East Liverpool City Hospital** 425 West 5th Street East Liverpool, Ohio 43920	4		Frank Mader – Director of IT Services	330-386-3186

System	Census Track Code	County	Facility Name & Address	RUCA CODE	HPSA	Contact Names	Phone
	9767.00	Holmes MUA	**Joel Pomerene Memorial Hospital** **981 Wooster Road** **Millersburg, Ohio 44654**	10.5	HPSA	Tony Snyder,	419-557-7400

Table 2.2 - Pending LOA Hospitals

System	Census Track Code	County	Facility Name & Address	RUCA CODE	HPSA	Contact Names	Phone
Mercy Health Partners	9963.00	Huron	**Mercy Hospital – Willard** 10 East Howard St. Willard, Ohio 44890	4.2		Joe Glass	419- 251-8982
	0001.00 0007.00	Seneca	**Fostoria Community** 501 Van Buren St. Fostoria, Oh 44830 **Mercy Hospital** – Tiffin 2355 Tiffin Avenue Findlay, OH 45840	4 4	HPSA HPSA	Tim Jakacki, CEO Joe Glass	419-435-7734 419-251-8982
	0011.00	Wayne	**Dunlap Memorial** 832 South Main Street Orrville, OH 44667	7.4		Rod Steiger, CEO	330-682-3010

3.0 Network Narrative

a) At the core of the network OneCommunity uses a Core DWDM system using Fujitsu Flashwave 7500 platform. This platform allows the out of the box capacity of 64 Lambda channels. By adding Wave Switching services an additional 16 channels for a total of 80 Channels, the Wave Switching system allows up to eight degrees, which allows 4 separate DWDM rings to terminate into a single system. This allows Lambda's to be digitally cross connected from one ring to another. The Flashwave 7500 system supports all major transport services such as 1Gbps, 10Gbps, 40Gbps and sub rated Gigabit optical services for Ethernet delivery. The network also supports SONET services such as OC-3, OC-12, OC-48, OC-192, and OC-768. The platform can also transport SAN traffic using Fibre Channel and can transport proprietary optical protocols using alien waveform transponders. Over the next year Fujitsu will be releasing their 100Gbps transponder that allows the aggregation of 10Gig and 40 Gig channels over a single channel.

The DWDM transport system drops into the core Ethernet routing system for regional transport of Ethernet Traffic. OneCommunity at its core uses primarily Cisco Catalyst 6000 series Multilayer switches. The Core system uses a MPLS platform on its 6500 series for Layer 2 and Layer 3 transport. For layer 2 OneCommunity deploys an EoMPLS solution that allows Layer 2 Ethernet to be routed through the network using the Layer 3 functionality of MPLS. The EoMPLS tunnels enter the network usually as Dot1Q trunks or Access Ports, encapsulated into MPLS Packet stream and tagged for

Routing. The MPLS Tagged traffic is routed to its remote node and converted back into a Dot1q Trunk or Access port. For Layer 3 Routing MPLS allows the creation of MPLS VPN's called Virtual Routing Forwarders (VRF). This allows OneCommunity to create MPLS VPN's for each customer on the network. The MPLS VPN only handles the routes associated with that VPN and is not shared with other VPN routing tables or the core routing Table. This ensures that each customer has the highest level of security possible. Having multiple MPLS VPN's for customers is like have multiple private routers dedicated to that customer, but allows the use of shared links throughout the network. MPLS VPN's can be private and only route between customer endpoints, or a MPLS VPN can have access to the Internet to create a Public/Private network. Each Core Access device has Multiple Supervisor 720-3BXL for redundancy. All core connections are at a minimum of 10Gbps. All chassis have dual power supplies using 6000W connection to a local UPS and Generator Protected power system.

Upstream Internet service providers are attached to the OneCommunity network using Border Routers. Border routers use Cisco Catalyst 6500 series chassis and have high capacity links to the upstream provider. The Border Layer is fully meshed with every other border element in the network for maximum redundancy. OneCommunity has multiple upstream providers with connections not only locally but also has out of state connections to various up-stream providers. OneCommunity receives full routing tables for each upstream provider, and receives 26000 plus public routes.

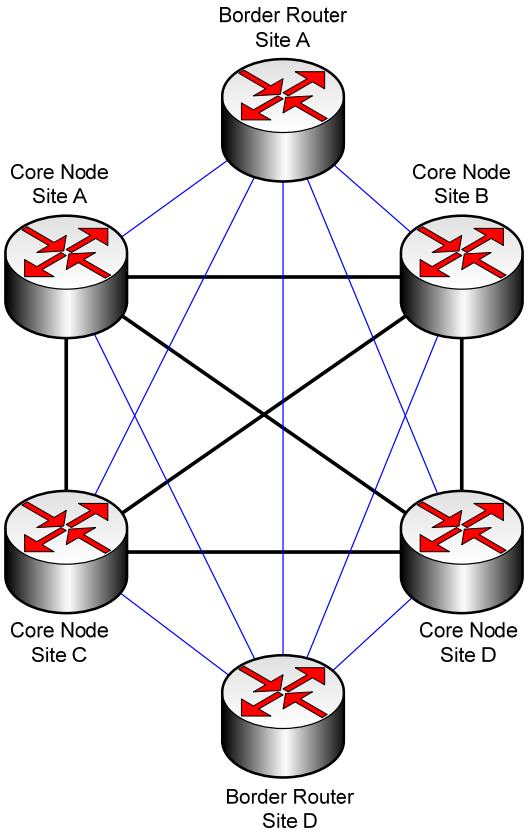
b) Customers and service providers attach to the OneCommunity network at the access Layer. The access layer is connected to at a minimum of (2) core layers that allow for maximum redundancy. Each access layer depending on site size is a Cisco Catalyst 3560G-12D, Cisco 3750-12S, or Cisco Catalyst 6500 Series Devices. In most cases the access device has Dual Power supplies and is connected to a UPS and generator-backed power system.

c) The border layer provides OneCommunity's connection to its upstream peers. The border routers receive full routes from upstream, and are strategically injected into the core layer. The border layer is always fully meshed with all other border routers and core routers. OneCommunity uses Cisco 6504 Chassis with Supervisor 720-3BXL for all its border routers.

Key points for the Border Layer Design Standards:

- The border layer is used to provide connectivity to OneCommunity upstream providers;
- OneCommunity will has (3) primary upstream providers and (3) secondary upstream peers.
- The (3) primary upstream providers are Global Crossing, Level 3 Communications, and Cogent Communications. These peers provide connectivity to the general Internet on a regional, national and international level;
- The (3) secondary upstream peers include National Lambda Rail (NLR), OARNet, and Internet 2. These peers provide connectivity to other networks that have transport to specialized or proprietary networks;

- Each border router connects to at least two (2) core layer nodes to provide upstream redundancy and failover.



d) OneCommunity has designed a DWDM based infrastructure that uses MPLS network transport services. Healthcare sites will connect via a dual-path entrance fiber system that can provide backbone services at 1 Gbps speeds. Other laterals requiring a wireless connection will connect at 100 Mbps. The HealthNet network connects into Internet2 national backbone through a BGP peering gateway on the OneCommunity fiber backbone.

Estimated fiber construction, network region, is as follows (zone maps provided on following pages):

Eastern Zone	Western Zone	Southern Zone
202,734 ft. (U)	562,023 ft. (U)	538,461 ft. (U)
148,028 (A)	410,366 ft. (A)	393,162 ft. (A)

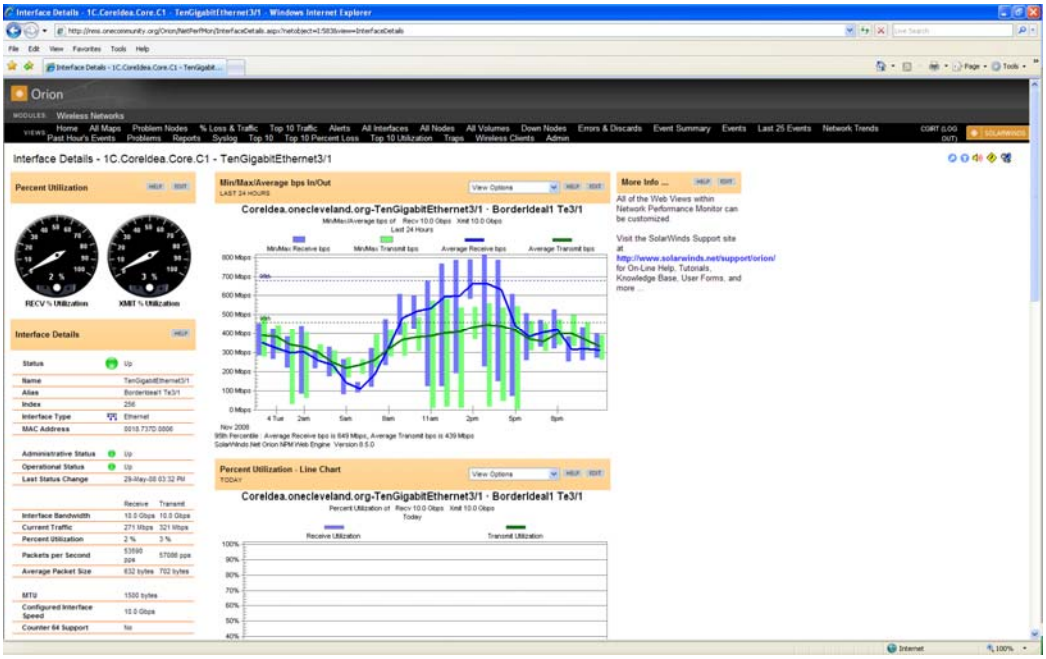
U – Underground
A – Aerial

e) OneCommunity had deployed Solar Winds the powerful and flexible monitoring system. Solar Winds network Performance Monitor enables you to quickly detect, diagnose and resolve network performance problems and outages. It offers views that are designed to deliver the critical information network engineers need. A series of powerful modules extend Solar Winds management capabilities to Network infrastructure, VoIP infrastructure, NetFlow traffic analysis, wireless devices, and applications.

- Monitors and analyzes **real-time, in-depth network performance metrics** for routers, switches, servers, and any other SNMP-enabled devices
- Provides a highly **intuitive, customizable web interface** with point-and-click simplicity that supports multiple views by user and department, as well as cutting-edge map views and "Top 10" views of your global network
- Gets you up and running in less than an hour with Orion NPM's **do-it-yourself deployment**
- Enables **advanced alerting** for correlated events, sustained conditions, and complex combinations of device states
- Scales to **accommodate growth** and management needs with a hot standby engine, multiple polling engines, and additional web servers
- **Extends management capabilities** to NetFlow traffic analysis and monitoring of VoIP performance, wireless devices, applications and servers
- Leverages a **Universal Device Poller** to monitor any SNMP-enabled device
- **Orion Application Performance Monitor**
  Orion Application Performance Monitor (APM) extends Orion's powerful monitoring capabilities to applications and servers. OneCommunity can get the visibility into the performance of applications and the underlying operating systems and servers they run on. APM delivers a one-stop shop for monitoring network, application, and server data in a single, unified console, enabling you to quickly identify and resolve issues with business-critical applications – before they affect your end-users.
- **Orion NetFlow Traffic Analyzer**
  Orion NetFlow Traffic Analyzer (NTA) enables you to capture flow data from continuous streams of network traffic and convert those raw numbers into easy-to-interpret charts and tables that quantify exactly how the corporate network is being used, by whom and for what purpose – enabling you to shut down the bandwidth hogs.
- **Orion VoIP Monitor**
  Orion VoIP Monitor allows you to proactively analyze VoIP quality across WAN links, as well as monitor the underlying systems and protocols that the VoIP environment relies upon, providing complete integration with Orion NPM and offering the same scalability that you've grown to love in Orion NPM. VoIP Monitor's simulation-based approach with IP SLA alerts you to problems and enables you to fix them before an end-user can notice any voice quality issues.

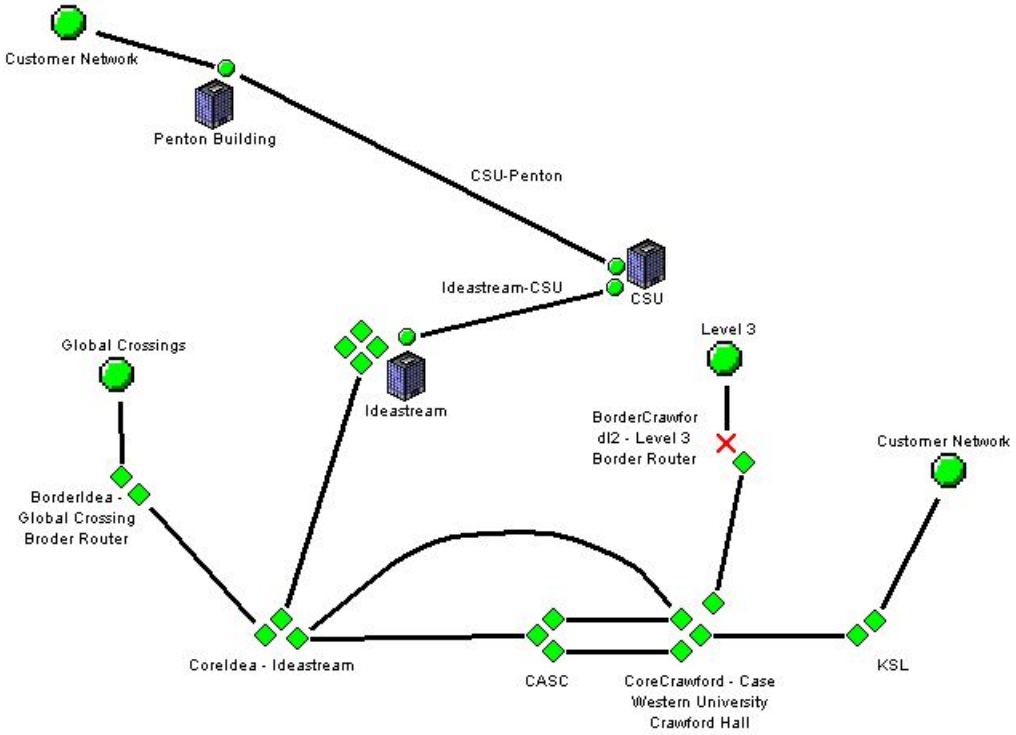
- **Orion Wireless Network Monitor**
  Wireless Network Monitor extends the management capabilities of Orion to wireless access points and associated wireless clients and sessions. Network professionals who are responsible for supporting wireless network devices rely on Wireless Network Monitor to perform activities, such as monitoring wireless access points (APs) for signal strength and quality, supporting 802.11-compliant APs via standard and vendor-proprietary SNMP MIBs, monitoring client statistics for Cisco wireless APs, recording historical session activity of clients that roam from one AP to another, and more!

Typical Web view of a Network Device



Typical Interface View

Solar Winds also delivers a powerful web based tool that can be customized for specific customer needs. OneCommunity can give customers access to their network elements to show a real-time view into network statics that are customizable to the customer's specifications.



Customized Customer Map View

Customer Monitoring

OneCommunity can also offer its monitoring services to a customer network. This would ensure that a customer has 7x24x365 monitoring on its critical network elements. OneCommunity can offer monitoring of Network Devices such as Switches, Routers, Firewalls, Servers, Voice Gateways, Call Mangers, or any other SNMP enabled devices. OneCommunity can offset companies IT services by ensuring that issues are brought to the customer's attention before they become a major outage. OneCommunity can also act as a service agent for the customer and open and track trouble tickets with various carriers or internal resources.

Network Management

OneCommunity has broken its network management functionality into 5 distinct areas or departments. These areas include Engineering, Operations, Administration, Maintenance, and Provisioning.

- ***Engineering*** ensures that the network is designed to provide maximum reliability by focusing on network construction. The Engineering Department designs the OneCommunity network to be fully redundant at all layers and in the event of a failure that the network has the ability to re-route traffic to reach its destination.

- ***Operations*** deals with keeping the network (and the services that the network provides) up and running smoothly. It includes monitoring the network to spot problems as soon as possible, ideally before users are affected. OneCommunity has Network Operations Engineers on staff 7x24x365 days a year to deal with internal and customer network issues

- ***Administration*** deals with keeping track of resources in the network and how they are assigned. It includes all the "housekeeping" that is necessary to keep the network under control. Administration is also part of the Network Operations Center and is in charge of customer event notifications, Change Management procedures, and ensuring that communications is withheld between the customer base and the OneCommunity staff.

- ***Maintenance*** is concerned with performing repairs and upgrades - for example, when equipment must be replaced, when a router needs a patch for an operating system image, when a new switch is added to a network. Maintenance also involves corrective and preventive measures to make the managed network run "better", such as adjusting device configuration parameters. Maintenance is usually performed by the network operations center if the issue is in house and performed by Field Engineering is the issue resides at a remote co-location or customer premise.

- ***Provisioning*** is concerned with configuring resources in the network to support a given service. For example, this might include setting up the network so that a new customer can receive voice service. This function is performed, depending on complexity by the network operations center or the engineering staff.

Network Management Tools

Solar Winds and OneConnect are the primary network management tools used to ensure proper reporting, asset management, software/firmware management, IP management, and various other parameters used in daily network operations.

Reporting – The Solar winds is the primary tool used to generate reports for network statistics and performance. The tool also provides various reporting functions such as link capacity, device capacity, and advanced information on the network to allow the engineering department to ensure it has ample lead times for network augmentations.

Asset Management – The Solar Winds tool allows OneCommunity to track its assets that have been deployed to have a quick view in the event that a specific device needs security updates or replacement.

Software/Firmware Management – This function of Solar Winds allows the OneCommunity Operations and Maintenance staff ensures that all devices on the network have to most up to date software/firmware revisions. This includes critical security updates for network servers, IOS upgrades for Routers and Switches, and software upgrades for the regional transport systems. When a new revision is released for a particular device the device will generate a minor alarm to make the network operations center aware of new updates.

IP Management – Solar winds has a robust IP management tool that allows OneCommunity Engineering and operations staff keeps detailed records of its private and public IP space. It will also allow administration to SWIP IP space to ARIN for public address registration.

Other powerful tools that are native to Solar winds are the engineering toolkit. This feature rich package allows the network operations and maintenance staff to use powerful tools to isolate issues or troubles. This package includes discovery tools, real time monitoring tools, diagnostic tools, and a Cisco specific tool kit.

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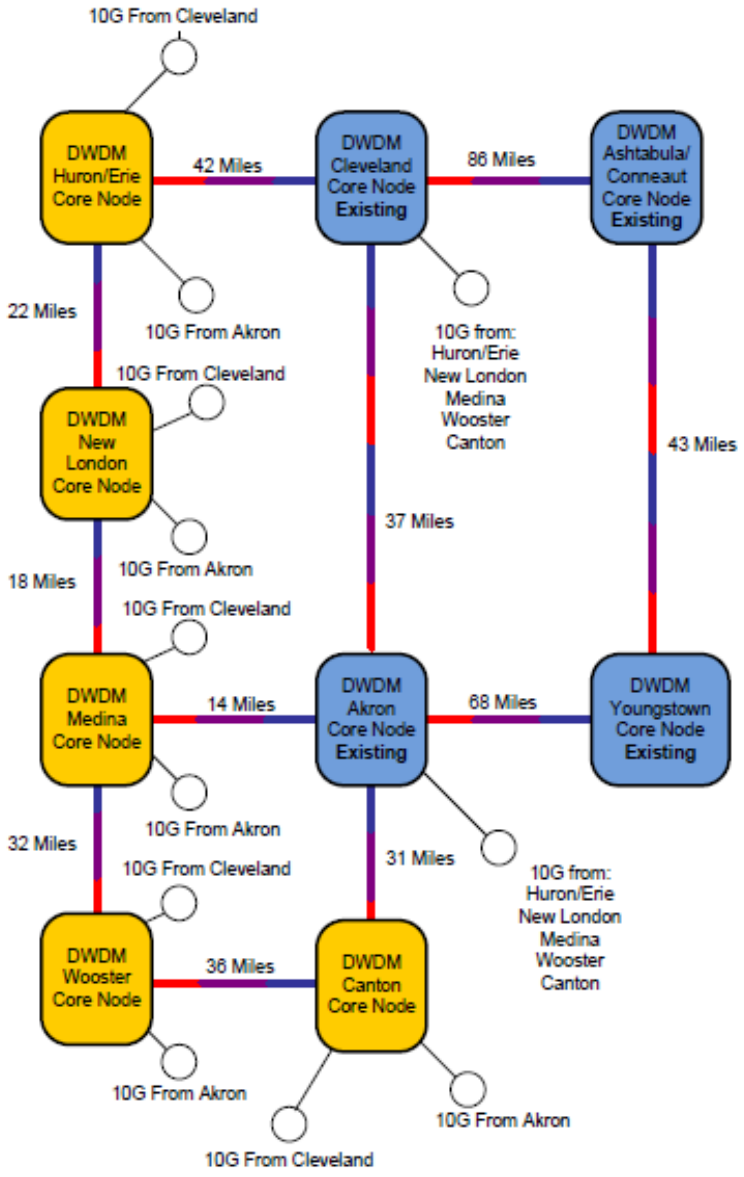
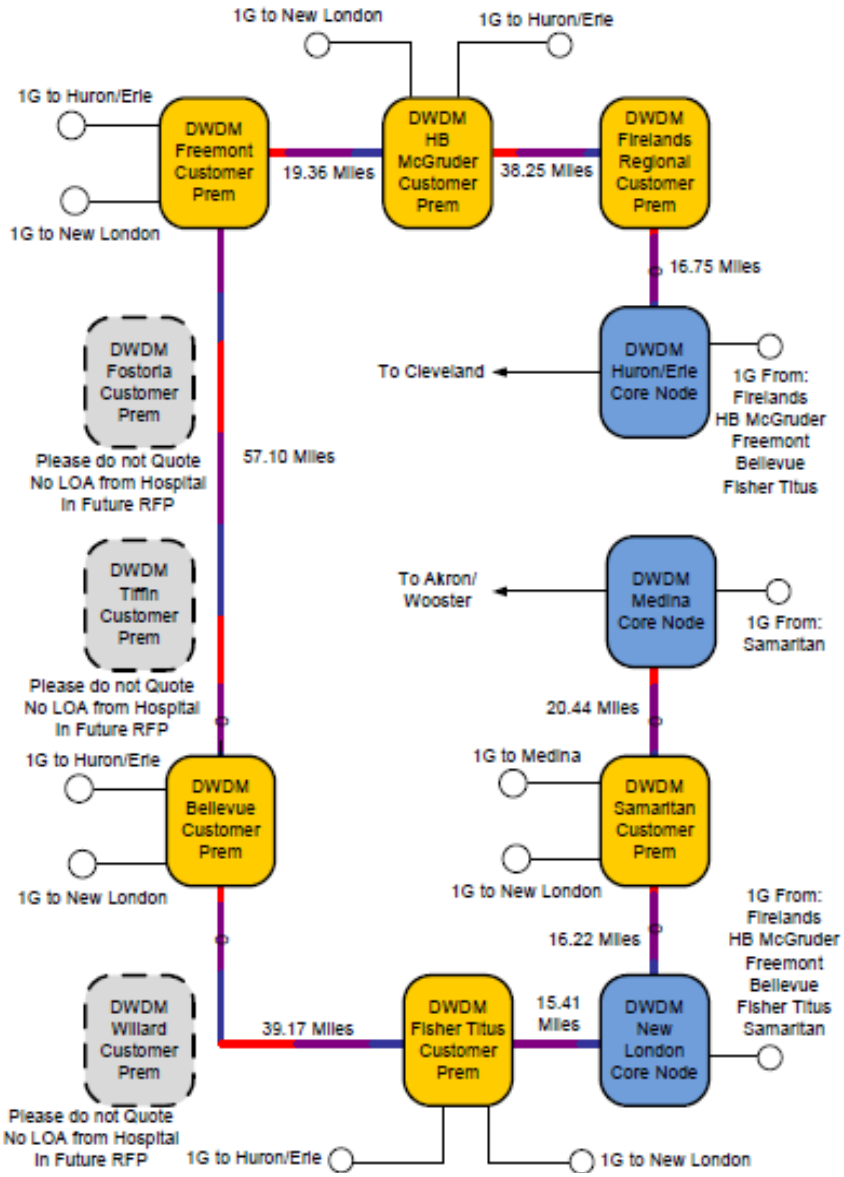
4.0 List of Connected Healthcare Providers

a-g) Additional information will be available within this section as we move forward into infrastructure build and connecting each of the 16 healthcare entities into the broadband network. None of the 16 healthcare locations are connected at this time as OneCommunity is engaged, during this reporting period, in evaluating RFP responses.

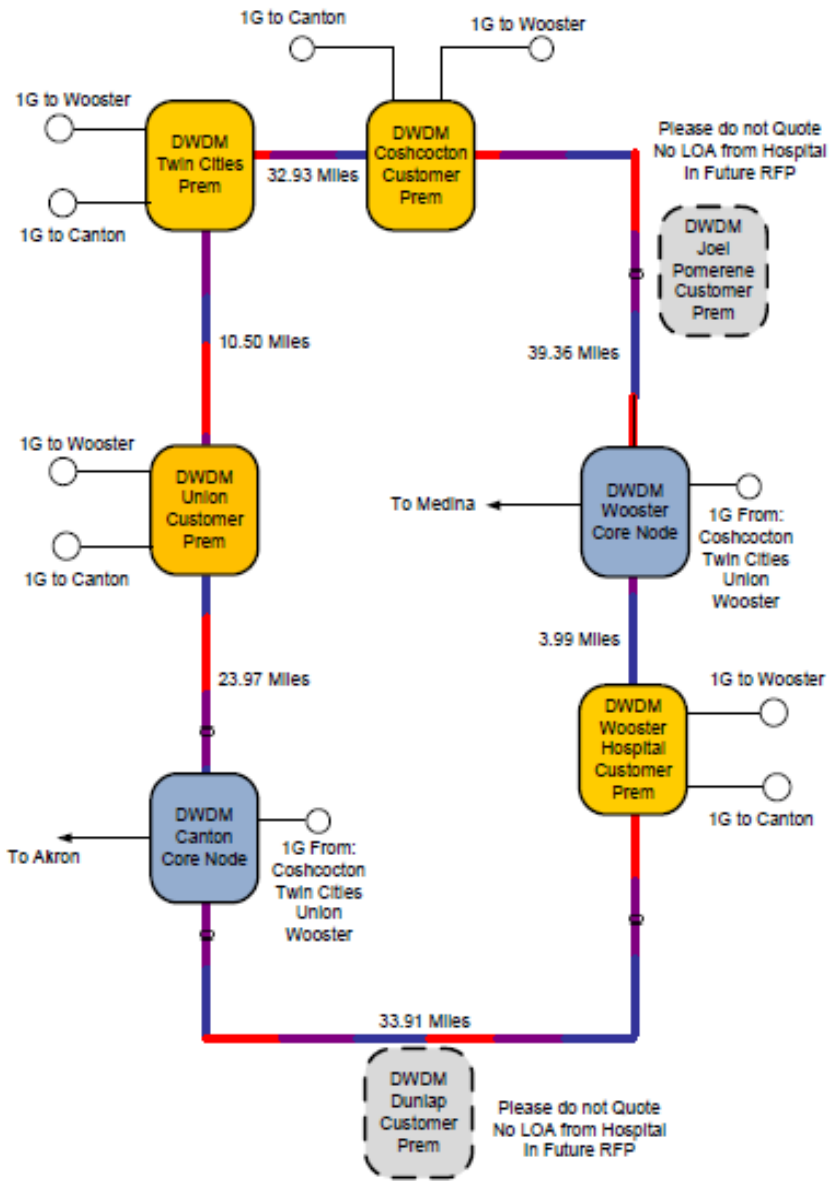
4.1 Logical Network Diagrams



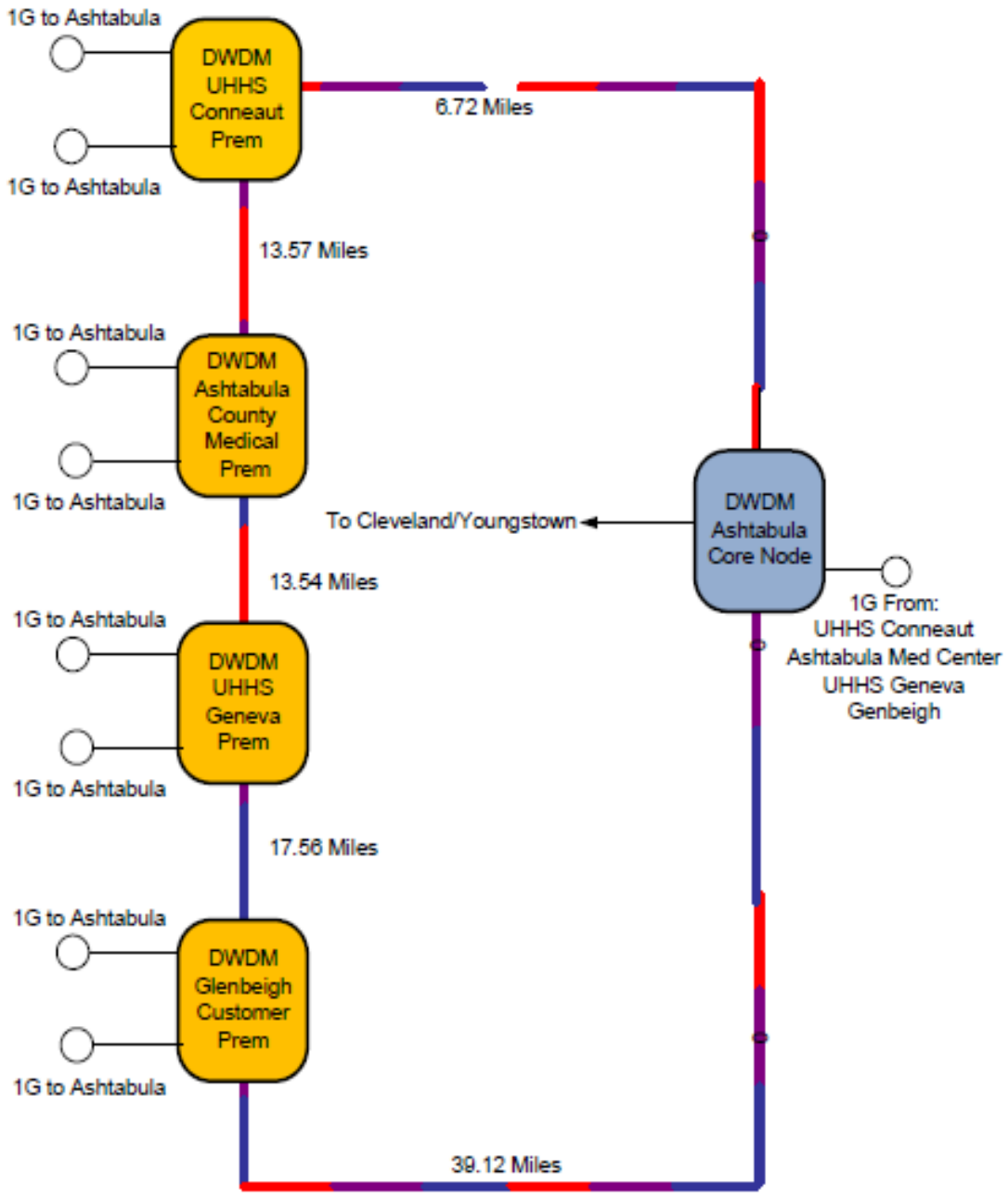
4.1.1 DWDM Backbone Network Design



4.1.2 Western Ring Network Design



4.1.3 Southern Ring Network Design



4.1.4 Eastern Ring Network Design

5.0 Budgeted vs. Actual Costs – Recurring and Non-recurring

Additional information will be available within this section as we move forward into infrastructure build and connecting each of the 16 healthcare entities into the broadband network. The budgeted portion of the table has been completed with the actual costs updated per quarter once we begin implementation. Scheduled timeframe for construction start is the beginning of February, 2010.

		Budgeted	***Actual***
Backbone equipment	*Fujitsu*	*1,376,214.00*	
	Texcel	*$ 421,331.40*	
Fiber Material Cost	*OFS Fitel*	*$ 1,320,604.80*	
Build Material Cost	*AD Technologies*	*$ 371,287.12*	
	Multilink	*$ 96,857.85*	
Fiber installation	*GNJ*	*$ 7,324,121.77*	
Make ready (paid by 1C)	*OneCommunity*	*$ 1,081,313.64*	
Construction management	*OneCommunity*	*$ 649,972.06*	
Permits	*OneCommunity*	*$ 126,100.00*	
Ring equipment cost	*Texcel*	*$ 509,955.60*	
Project Cost		***$ 13,277,882.36***	

6.0 Cost Distribution and Funding Sources

Vendor contracts, equipment acquisition and provisioning is in progress; however, circuit connectivity has not been established and no customer premise equipment has been placed. No costs have yet been incurred. When invoicing begins, the following will apply:

a) All participants are eligible. Costs are allocated among partners based on the contracted connectivity and hardware specified for their subsidiary health care provider sites.

b) Sources of funds from:

i. Eligible Participants: partners will pay the fifteen percent (15%) contribution for their subsidiary health care provider sites from commercial loans.

ii. There are no ineligible sites in the HealthNet supported network during this phase of the project.

c) There are no grants anticipated from local, state or federal sources at this time.

d) The capability to connect broadband level connectivity to locations that otherwise would not be served for essentially fifteen percent (15%) of the total cost, enables Intranet based services within the OneCommunity network to be distributed to rural locations. Additional healthcare services can be provided on a wider scale through network expansion to a targeted audience, in this case rural healthcare providers, which is a strategic goal of the OneCommunity business model.

Cost Distribution by Healthcare Facility

	Texcel	Fujitsu	OFS Fitel	AD Technologies	Multilink	GNJ	OneCommunity (Make-ready)	OneCommunity (Construction Management)	OneCommunity (Permits)	Total Cost per Healthcare Facility
Ashtabula County Medical Center	$ 58,205.44	$ 86,013.38	$ 44,469.58	$ 23,205.45	$ 6,053.62	$ 240,454.03	$ 35,397.00	$ 21,276.93	$ 4,139.92	$ 519,215.33
Coshocton County Memorial Hospital	$ 58,205.44	$ 86,013.38	$ 171,616.86	$ 23,205.45	$ 6,053.62	$ 957,143.07	$ 141,197.00	$ 84,872.84	$ 16,479.21	$ 1,544,786.85
East Liverpool City Hospital	$ 58,205.44	$ 86,013.38	$ 22,469.02	$ 23,205.45	$ 6,053.62	$ 122,889.17	$ 19,738.20	$ 11,864.50	$ 2,115.79	$ 352,554.55
Firelands Regional Medical Center	$ 58,205.44	$ 86,013.38	$ 177,306.64	$ 23,205.45	$ 6,053.62	$ 1,106,240.50	$ 145,901.54	$ 87,700.72	$ 19,046.23	$ 1,709,673.50
Fisher Titus Medical Center	$ 58,205.44	$ 86,013.38	$ 74,763.82	$ 23,205.45	$ 6,053.62	$ 414,668.95	$ 61,115.18	$ 36,736.02	$ 7,139.39	$ 767,901.23
Glenbeigh Hospital of Rockcreek	$ 58,205.44	$ 86,013.38	$ 81,338.70	$ 23,205.45	$ 6,053.62	$ 334,266.04	$ 66,551.54	$ 40,003.79	$ 5,755.09	$ 701,393.03
H. B. Magruder Memorial Hospital	$ 58,205.44	$ 86,013.38	$ 82,729.54	$ 23,205.45	$ 6,053.62	$ 459,284.97	$ 67,701.54	$ 40,695.05	$ 7,907.55	$ 831,796.53
Jefferson Healthcare Center	$ 58,205.44	$ 86,013.38	$ 75,396.02	$ 23,205.45	$ 6,053.62	$ 418,209.91	$ 61,637.91	$ 37,050.23	$ 7,200.35	$ 772,972.29
Memorial Hospital	$ 58,205.44	$ 86,013.38	$ 59,591.02	$ 23,205.45	$ 6,053.62	$ 329,686.06	$ 48,569.73	$ 29,195.00	$ 5,676.23	$ 646,195.91
Samaritan Regional Health System	$ 58,205.44	$ 86,013.38	$ 77,608.72	$ 23,205.45	$ 6,053.62	$ 430,603.25	$ 63,467.45	$ 38,149.96	$ 7,413.73	$ 790,720.98
The Bellevue Hospital	$ 58,205.44	$ 86,013.38	$ 43,153.82	$ 23,205.45	$ 6,053.62	$ 237,621.27	$ 34,978.82	$ 21,025.57	$ 4,091.14	$ 514,348.49
Twin City Hospital	$ 58,205.44	$ 86,013.38	$ 134,190.62	$ 23,205.45	$ 6,053.62	$ 747,518.61	$ 110,251.54	$ 66,271.66	$ 12,870.09	$ 1,244,580.40
UHHS Conneaut Medical Center	$ 58,205.44	$ 86,013.38	$ 67,683.18	$ 23,205.45	$ 6,053.62	$ 375,010.27	$ 55,260.64	$ 33,216.88	$ 6,456.58	$ 711,105.42
UHHS Geneva Medical Center	$ 58,205.44	$ 86,013.38	$ 44,469.58	$ 23,205.45	$ 6,053.62	$ 240,454.03	$ 35,397.00	$ 21,276.93	$ 4,139.92	$ 519,215.33
Union Hospital	$ 58,205.44	$ 86,013.38	$ 60,728.98	$ 23,205.45	$ 6,053.62	$ 336,059.78	$ 49,510.64	$ 29,760.58	$ 5,785.97	$ 655,323.81
Wooster Community Hospital	$ 58,205.44	$ 86,013.38	$ 103,212.82	$ 23,205.45	$ 6,053.62	$ 574,011.87	$ 84,637.91	$ 50,875.42	$ 9,882.81	$ 996,098.71
Total	$ 931,287.00	$ 1,376,214.00	$ 1,320,728.92	$ 371,287.12	$ 96,857.85	$ 7,324,121.77	$ 1,081,313.64	$ 649,972.06	$ 126,100.00	$ 13,277,882.36

Costing and Invoicing Plan

Invoice Month	Vendor Amounts								FCC Funding	1C Funding	FCC Burn Rate
	OFS Fitel	AD Technologies	Multilink	Fujitsu	Texcel	GNJ Construction	1C Construction Management	Make Ready & Permits			
Feb-10						$610,343.4808	$54,164.34	241,482.7245	$ 770,091.96	$ 135,898.58	6.82%
Mar-10	$ 440,242.97	$ 123,762.3733				$610,343.4808	$54,164.34	241,482.7245	$ 1,249,496.51	$ 220,499.38	17.89%
Apr-10			$96,857.85	$1,376,214.00		$610,343.4808	$54,164.34	241,482.7245	$ 2,022,203.04	$ 356,859.36	35.81%
May-10					$931,287.00	$610,343.4808	$54,164.34	241,482.7245	$ 1,561,685.91	$ 275,591.63	49.65%
Jun-10	$ 440,242.97	$ 123,762.3733				$610,343.4808	$54,164.34	241,482.7245	$ 1,249,496.51	$ 220,499.38	60.72%
Jul-10						$610,343.4808	$54,164.34		$ 564,831.65	$ 99,676.17	65.72%
Aug-10						$610,343.4808	$54,164.34		$ 564,831.65	$ 99,676.17	70.73%
Sep-10	$ 440,242.97	$ 123,762.3733				$610,343.4808	$54,164.34		$ 1,044,236.19	$ 184,276.97	79.98%
Oct-10						$610,343.4808	$54,164.34		$ 564,831.65	$ 99,676.17	84.99%
Nov-10						$610,343.4808	$54,164.34		$ 564,831.65	$ 99,676.17	89.99%
Dec-10						$610,343.4808	$54,164.34		$ 564,831.65	$ 99,676.17	95.00%
Jan-11						$610,343.4808	$54,164.34		$ 564,831.65	$ 99,676.17	100.00%
	$ 1,320,728.91	**$ 371,287.12**	**$ 96,857.85**	**$ 1,376,214.00**	**$ 931,287.00**	**$ 7,324,121.77**	**$ 649,972.08**	**$ 1,207,413.62**	**$ 11,286,200.00**	**$ 1,991,682.35**	
FCC Match	**$ 1,122,619.57**	**$ 315,594.05**	**$ 82,329.17**	**$ 1,169,781.90**	**$ 791,593.95**	**$ 6,225,503.50**	**$ 552,476.27**	**$ 1,026,301.58**			

7.0 Connection Requirements for Ineligible Entities

OneCommunity builds all networks as “open access” which means that other service providers can participate in using OneCommunity’s infrastructure transport. The extension of our current network with the addition of the FCC build extends this open access to additional regional areas who cannot either obtain or afford broadband access.

Ineligible entities do not require any additional technical requirements nor additional procedures in order to connect to the OneCommunity network. With the exception of increased pricing compared to eligible entities, connection to the network can be accomplished by direct loop or through a lateral build. Separate last mile providers can participate in the connecting of these entitites.

No ineligible entities are participating in the project.

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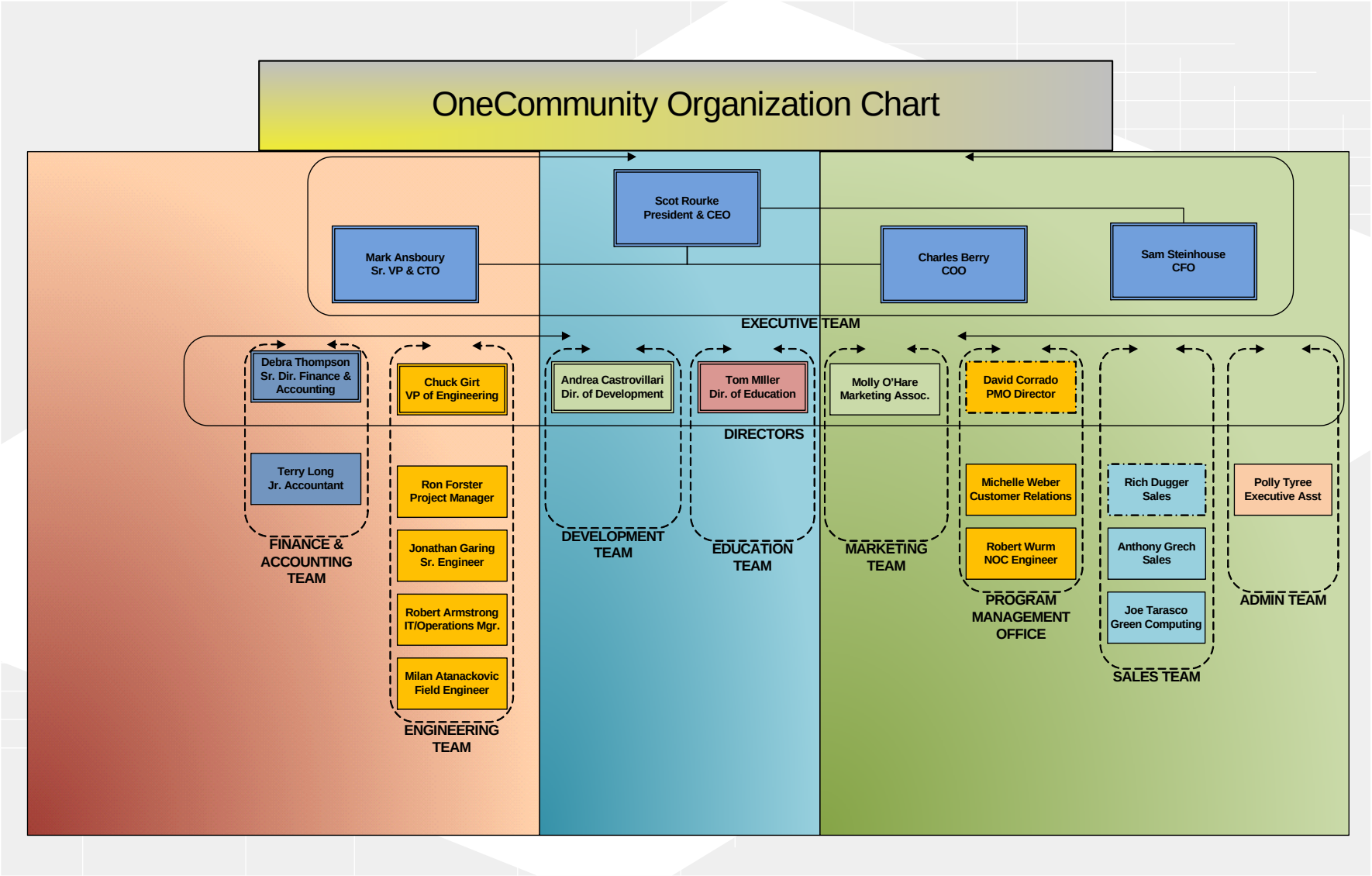
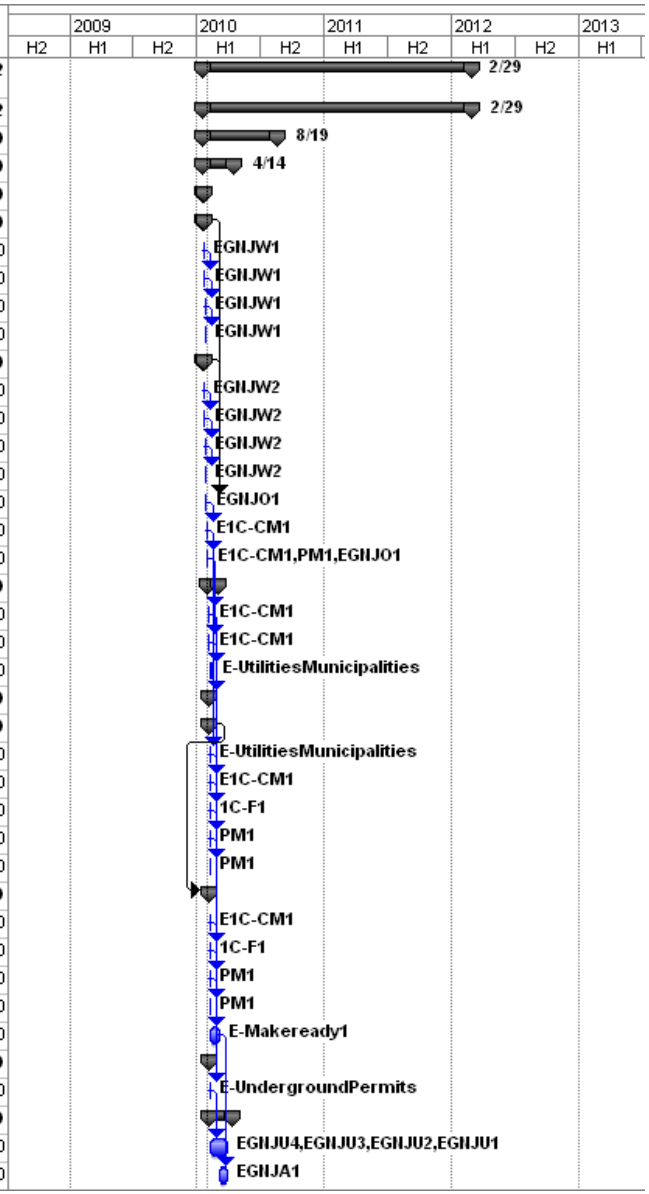
8.0 Project Management

a) Current Leadership and Management Structure

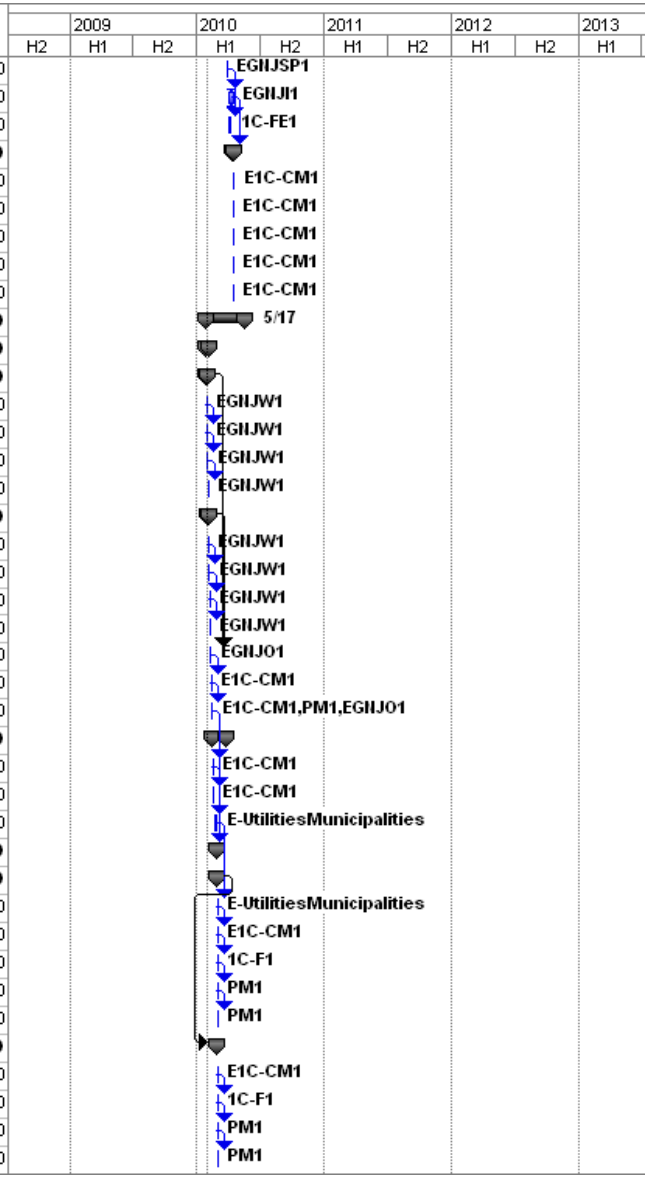


b) Detailed Project Plan (tentative project start – January 18, 2010)

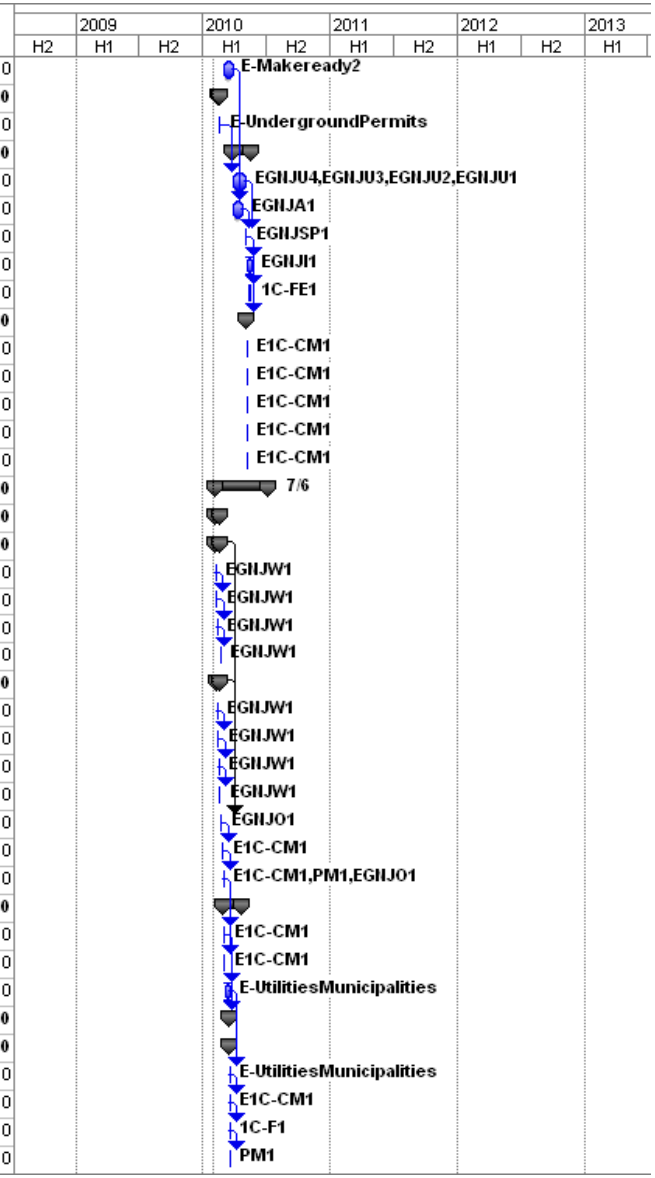
ID	Task Name	Hospital Name	Fiber Miles	Start	Finish
1	**FCC HealthNet Network Build**			**1/18/10**	**2/29/12**
2	**Phase 1**			**1/18/10**	**2/29/12**
3	**Eastern Zone**			**1/18/10**	**8/19/10**
4	**Segment E-1 (Ashtabula-Conneaut)**	**Conneaut**	**15**	**1/18/10**	**4/14/10**
5	**Conduct site walkout**			**1/18/10**	**1/20/10**
6	**Aerial**			**1/18/10**	**1/20/10**
7	Obtain pole information			1/18/10	1/18/10
8	Gather pole birthmark (if available)			1/18/10	1/19/10
9	Obtain utility name who owns each pole			1/19/10	1/19/10
10	Measure individual utilities on poles			1/19/10	1/20/10
11	**Underground**			**1/18/10**	**1/20/10**
12	Identify underground locations			1/18/10	1/18/10
13	Identify riser poles			1/18/10	1/19/10
14	Location of pull vaults			1/19/10	1/19/10
15	Gather information on construction obstacles			1/19/10	1/20/10
16	Summarize walkout information and enter into CAD dra			1/20/10	1/26/10
17	Verify field information			1/26/10	1/27/10
18	Define detailed project plan for aerial & underground w			1/27/10	1/28/10
19	**Permitting**			**1/28/10**	**3/1/10**
20	Submit pole information to utilities and municipalitie			1/28/10	2/1/10
21	Submit underground information to municipalities,			1/28/10	2/1/10
22	Receive approval from utilities and municipalities			2/1/10	2/11/10
23	**Make-Ready**			**2/1/10**	**2/1/10**
24	**Engineering Costing**			**2/1/10**	**2/1/10**
25	Define project steps for make-ready wo			2/1/10	2/1/10
26	Receive invoice for engineering			2/1/10	2/1/10
27	Pay 100% of engineering invoice			2/1/10	2/1/10
28	Submit payment package to USAC			2/1/10	2/1/10
29	Receive 85% USAC reimbursement			2/1/10	2/1/10
30	**Make-Ready Costing**			**2/1/10**	**2/1/10**
31	Receive invoice for make-ready			2/1/10	2/1/10
32	Pay 100% of make-ready invoice			2/1/10	2/1/10
33	Submit payment package to USAC			2/1/10	2/1/10
34	Receive 85% USAC reimbursement			2/1/10	2/1/10
35	Conduct make-ready work			2/1/10	3/1/10
36	**Underground Approvals**			**2/1/10**	**2/4/10**
37	Receive underground permits			2/1/10	2/4/10
38	**Field Construction**			**2/4/10**	**4/13/10**
39	Conduct underground work			2/4/10	3/24/10
40	Conduct pole work			3/1/10	3/25/10



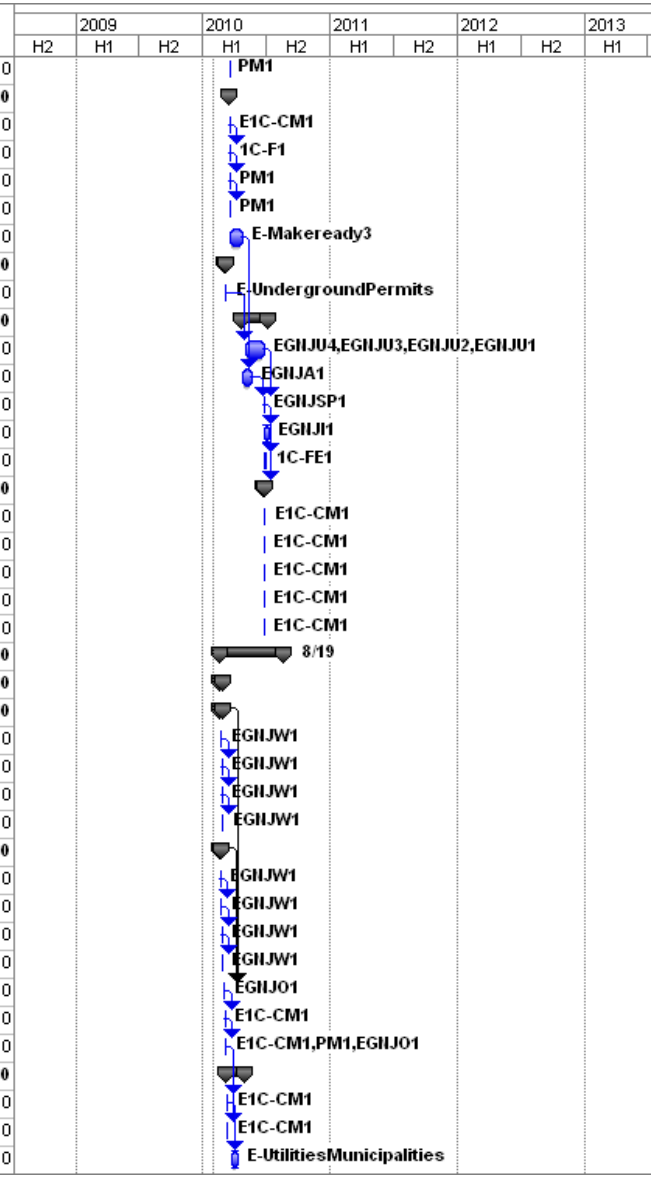
ID		Task Name	Hospital Name	Fiber Miles	Start	Finish
41		Test spliced fibers (entire segment)			3/25/10	3/29/10
42		Implement lateral and inside fiber connection			3/29/10	4/13/10
43		Install network electronics (core, distribution and			3/29/10	4/6/10
44		**Signoff acceptance**			**4/13/10**	**4/14/10**
45		As built drawings			4/13/10	4/14/10
46		Splicing diagram			4/13/10	4/13/10
47		Link loss report			4/13/10	4/13/10
48		Packing slips			4/13/10	4/13/10
49		Pre-test documentation			4/13/10	4/13/10
50		**Segment E-2 (Geneva-Ashtabula)**	**Ashtabula & Geneva**	**14**	**1/25/10**	**5/17/10**
51		**Conduct site walkout**			**1/25/10**	**2/2/10**
52		**Aerial**			**1/25/10**	**1/28/10**
53		Obtain pole information			1/25/10	1/26/10
54		Gather pole birthmark (if available)			1/26/10	1/27/10
55		Obtain utility name who owns each pole			1/27/10	1/28/10
56		Measure individual utilities on poles			1/28/10	1/28/10
57		**Underground**			**1/28/10**	**2/2/10**
58		Identify underground locations			1/28/10	1/28/10
59		Identify riser poles			2/1/10	2/1/10
60		Location of pull vaults			2/1/10	2/2/10
61		Gather information on construction obstacles			2/2/10	2/2/10
62		Summarize walkout information and enter into CAD dra			2/2/10	2/8/10
63		Verify field information			2/8/10	2/9/10
64		Define detailed project plan for aerial & underground w			2/9/10	2/10/10
65		**Permitting**			**2/10/10**	**3/24/10**
66		Submit pole information to utilities and municipalitie			2/10/10	2/11/10
67		Submit underground information to municipalities,			2/10/10	2/11/10
68		Receive approval from utilities and municipalities			2/15/10	2/24/10
69		**Make-Ready**			**2/25/10**	**2/25/10**
70		**Engineering Costing**			**2/25/10**	**2/25/10**
71		Define project steps for make-ready wo			2/25/10	2/25/10
72		Receive invoice for engineering			2/25/10	2/25/10
73		Pay 100% of engineering invoice			2/25/10	2/25/10
74		Submit payment package to USAC			2/25/10	2/25/10
75		Receive 85% USAC reimbursement			2/25/10	2/25/10
76		**Make-Ready Costing**			**2/25/10**	**2/25/10**
77		Receive invoice for make-ready			2/25/10	2/25/10
78		Pay 100% of make-ready invoice			2/25/10	2/25/10
79		Submit payment package to USAC			2/25/10	2/25/10
80		Receive 85% USAC reimbursement			2/25/10	2/25/10



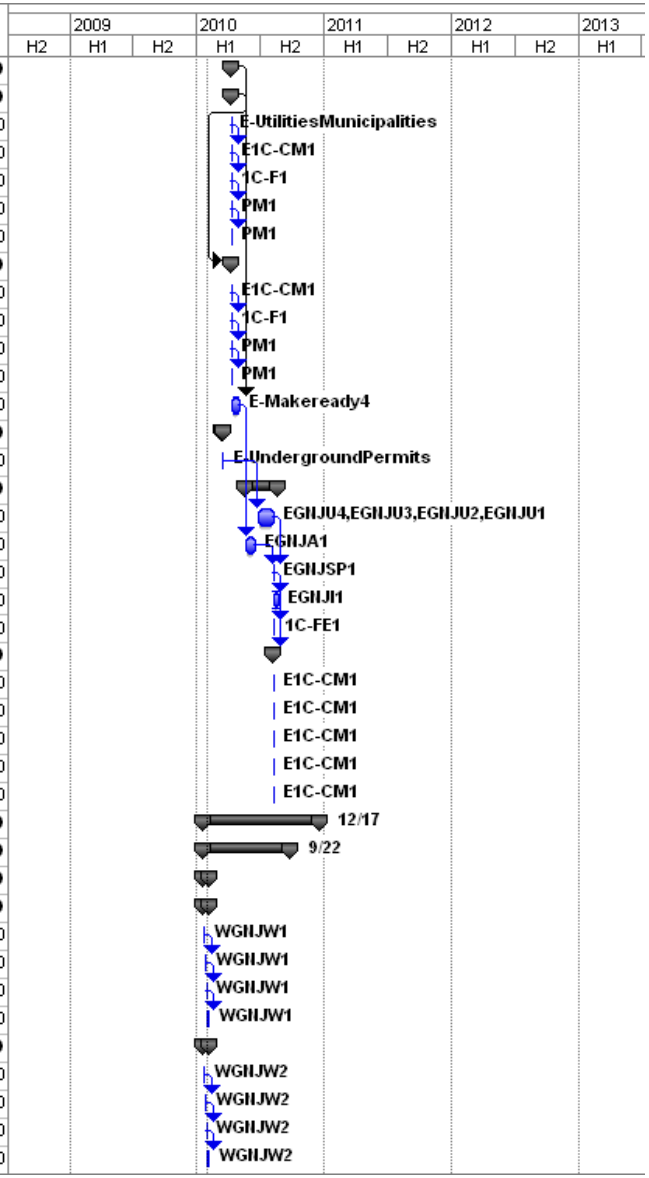
ID	Task Name	Hospital Name	Fiber Miles	Start	Finish
81	Conduct make-ready work			2/25/10	3/24/10
82	**Underground Approvals**			**2/11/10**	**2/17/10**
83	Receive underground permits			2/11/10	2/17/10
84	**Field Construction**			**3/24/10**	**5/17/10**
85	Conduct underground work			3/24/10	4/30/10
86	Conduct pole work			3/25/10	4/19/10
87	Test spliced fibers (entire segment)			4/30/10	5/3/10
88	Implement lateral and inside fiber connection			5/3/10	5/17/10
89	Install network electronics (core, distribution and			5/10/10	5/17/10
90	**Signoff acceptance**			**5/3/10**	**5/4/10**
91	As built drawings			5/3/10	5/4/10
92	Splicing diagram			5/3/10	5/4/10
93	Link loss report			5/3/10	5/4/10
94	Packing slips			5/3/10	5/4/10
95	Pre-test documentation			5/3/10	5/4/10
96	**Segment E-3 (Rockcreek-Geneva)**	**Glenbeigh**	**19**	**2/2/10**	**7/6/10**
97	**Conduct site walkout**			**2/2/10**	**2/15/10**
98	**Aerial**			**2/2/10**	**2/15/10**
99	Obtain pole information			2/2/10	2/3/10
100	Gather pole birthmark (if available)			2/4/10	2/8/10
101	Obtain utility name who owns each pole			2/9/10	2/9/10
102	Measure individual utilities on poles			2/15/10	2/15/10
103	**Underground**			**2/8/10**	**2/15/10**
104	Identify underground locations			2/8/10	2/8/10
105	Identify riser poles			2/9/10	2/10/10
106	Location of pull vaults			2/11/10	2/11/10
107	Gather information on construction obstacles			2/11/10	2/15/10
108	Summarize walkout information and enter into CAD dra			2/15/10	2/22/10
109	Verify field information			2/22/10	2/24/10
110	Define detailed project plan for aerial & underground w			2/24/10	2/25/10
111	**Permitting**			**2/24/10**	**4/19/10**
112	Submit pole information to utilities and municipalitie			2/24/10	3/1/10
113	Submit underground information to municipalities,			2/24/10	3/1/10
114	Receive approval from utilities and municipalities			3/1/10	3/16/10
115	**Make-Ready**			**3/16/10**	**3/17/10**
116	**Engineering Costing**			**3/16/10**	**3/16/10**
117	Define project steps for make-ready wo			3/16/10	3/16/10
118	Receive invoice for engineering			3/16/10	3/16/10
119	Pay 100% of engineering invoice			3/16/10	3/16/10
120	Submit payment package to USAC			3/16/10	3/16/10



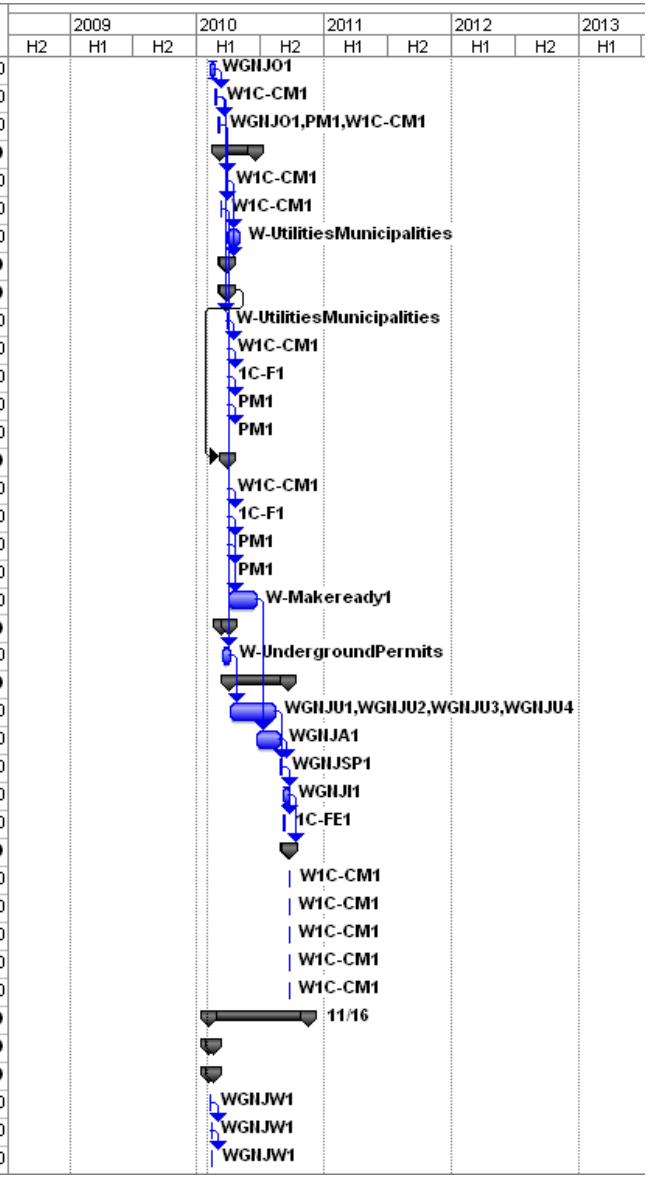
ID		Task Name	Hospital Name	Fiber Miles	Start	Finish
121		Receive 85% USAC reimbursement			3/16/10	3/16/10
122		**Make-Ready Costing**			**3/16/10**	**3/17/10**
123		Receive invoice for make-ready			3/16/10	3/16/10
124		Pay 100% of make-ready invoice			3/16/10	3/16/10
125		Submit payment package to USAC			3/16/10	3/17/10
126		Receive 85% USAC reimbursement			3/17/10	3/17/10
127		Conduct make-ready work			3/17/10	4/19/10
128		**Underground Approvals**			**3/1/10**	**3/8/10**
129		Receive underground permits			3/1/10	3/8/10
130		**Field Construction**			**4/19/10**	**7/6/10**
131		Conduct underground work			4/30/10	6/21/10
132		Conduct pole work			4/19/10	5/17/10
133		Test spliced fibers (entire segment)			6/21/10	6/22/10
134		Implement lateral and inside fiber connection			6/22/10	7/6/10
135		Install network electronics (core, distribution and			6/22/10	6/29/10
136		**Signoff acceptance**			**6/22/10**	**6/24/10**
137		As built drawings			6/22/10	6/24/10
138		Splicing diagram			6/22/10	6/23/10
139		Link loss report			6/22/10	6/23/10
140		Packing slips			6/22/10	6/23/10
141		Pre-test documentation			6/22/10	6/23/10
142		**Segment E-4 (RockCreek-Jefferson)**	**Jefferson**	**18**	**2/17/10**	**8/19/10**
143		**Conduct site walkout**			**2/17/10**	**2/24/10**
144		**Aerial**			**2/18/10**	**2/24/10**
145		Obtain pole information			2/18/10	2/22/10
146		Gather pole birthmark (if available)			2/22/10	2/23/10
147		Obtain utility name who owns each pole			2/23/10	2/23/10
148		Measure individual utilities on poles			2/23/10	2/24/10
149		**Underground**			**2/17/10**	**2/23/10**
150		Identify underground locations			2/17/10	2/18/10
151		Identify riser poles			2/18/10	2/22/10
152		Location of pull vaults			2/22/10	2/22/10
153		Gather information on construction obstacles			2/22/10	2/23/10
154		Summarize walkout information and enter into CAD dra			2/24/10	3/3/10
155		Verify field information			3/3/10	3/4/10
156		Define detailed project plan for aerial & underground w			3/4/10	3/8/10
157		**Permitting**			**3/4/10**	**4/30/10**
158		Submit pole information to utilities and municipalitie			3/4/10	3/9/10
159		Submit underground information to municipalities,			3/4/10	3/9/10
160		Receive approval from utilities and municipalities			3/22/10	4/5/10



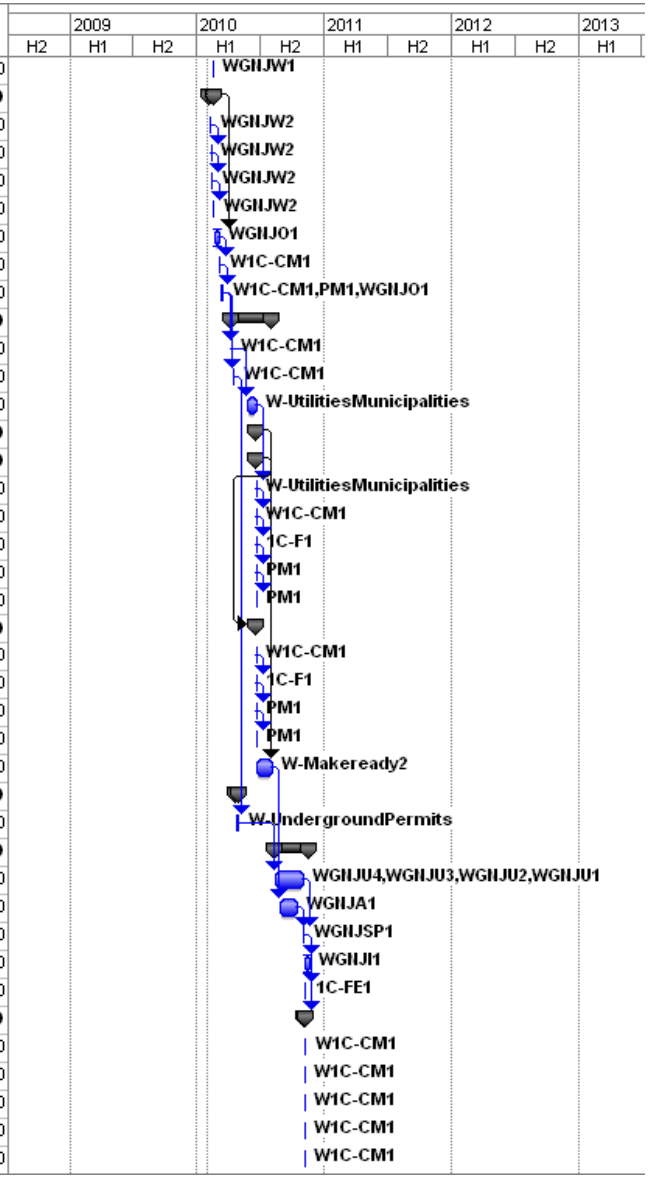
ID	Task Name	Hospital Name	Fiber Miles	Start	Finish
161	**Make-Ready**			**4/5/10**	**4/6/10**
162	**Engineering Costing**			**4/5/10**	**4/5/10**
163	Define project steps for make-ready wo			4/5/10	4/5/10
164	Receive invoice for engineering			4/5/10	4/5/10
165	Pay 100% of engineering invoice			4/5/10	4/5/10
166	Submit payment package to USAC			4/5/10	4/5/10
167	Receive 85% USAC reimbursement			4/5/10	4/5/10
168	**Make-Ready Costing**			**4/5/10**	**4/6/10**
169	Receive invoice for make-ready			4/5/10	4/5/10
170	Pay 100% of make-ready invoice			4/5/10	4/5/10
171	Submit payment package to USAC			4/5/10	4/6/10
172	Receive 85% USAC reimbursement			4/6/10	4/6/10
173	Conduct make-ready work			4/6/10	4/30/10
174	**Underground Approvals**			**3/9/10**	**3/15/10**
175	Receive underground permits			3/9/10	3/15/10
176	**Field Construction**			**5/17/10**	**8/19/10**
177	Conduct underground work			6/21/10	8/3/10
178	Conduct pole work			5/17/10	6/11/10
179	Test spliced fibers (entire segment)			8/3/10	8/5/10
180	Implement lateral and inside fiber connection			8/5/10	8/19/10
181	Install network electronics (core, distribution and			8/5/10	8/12/10
182	**Signoff acceptance**			**8/5/10**	**8/6/10**
183	As built drawings			8/5/10	8/6/10
184	Splicing diagram			8/5/10	8/5/10
185	Link loss report			8/5/10	8/5/10
186	Packing slips			8/5/10	8/5/10
187	Pre-test documentation			8/5/10	8/5/10
188	**Western Zone**			**1/18/10**	**12/17/10**
189	**Segment W-1 (Elyria-Sandusky)**	**Firelands**	**51**	**1/18/10**	**9/22/10**
190	**Conduct site walkout**			**1/18/10**	**2/1/10**
191	**Aerial**			**1/18/10**	**2/1/10**
192	Obtain pole information			1/18/10	1/20/10
193	Gather pole birthmark (if available)			1/20/10	1/25/10
194	Obtain utility name who owns each pole			1/25/10	1/27/10
195	Measure individual utilities on poles			1/27/10	2/1/10
196	**Underground**			**1/18/10**	**2/1/10**
197	Identify underground locations			1/18/10	1/20/10
198	Identify riser poles			1/20/10	1/25/10
199	Location of pull vaults			1/25/10	1/27/10
200	Gather information on construction obstacles			1/27/10	2/1/10



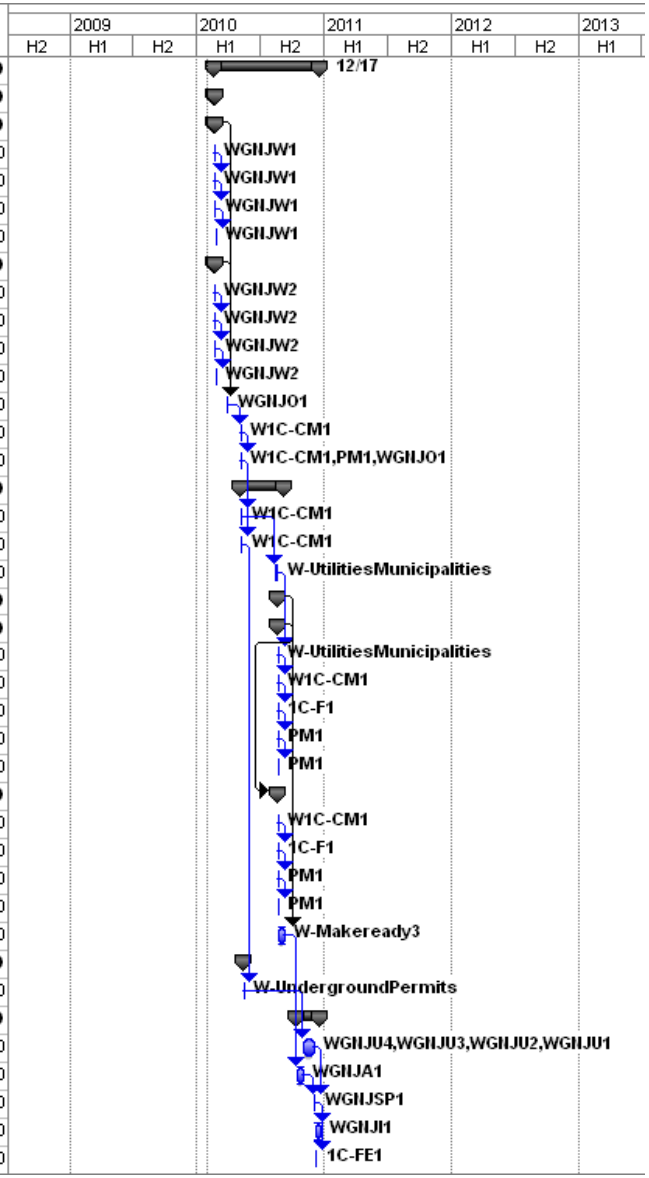
ID	Task Name	Hospital Name	Fiber Miles	Start	Finish
201	Summarize walkout information and enter into CAD dra			2/1/10	2/18/10
202	Verify field information			2/18/10	2/24/10
203	Define detailed project plan for aerial & underground w			2/24/10	3/8/10
204	**Permitting**			**3/8/10**	**6/15/10**
205	Submit pole information to utilities and municipalitie			3/18/10	3/25/10
206	Submit underground information to municipalities,			3/8/10	3/11/10
207	Receive approval from utilities and municipalities			3/25/10	4/30/10
208	**Make-Ready**			**3/25/10**	**3/30/10**
209	**Engineering Costing**			**3/25/10**	**3/29/10**
210	Define project steps for make-ready wo			3/25/10	3/25/10
211	Receive invoice for engineering			3/29/10	3/29/10
212	Pay 100% of engineering invoice			3/29/10	3/29/10
213	Submit payment package to USAC			3/29/10	3/29/10
214	Receive 85% USAC reimbursement			3/29/10	3/29/10
215	**Make-Ready Costing**			**3/30/10**	**3/30/10**
216	Receive invoice for make-ready			3/30/10	3/30/10
217	Pay 100% of make-ready invoice			3/30/10	3/30/10
218	Submit payment package to USAC			3/30/10	3/30/10
219	Receive 85% USAC reimbursement			3/30/10	3/30/10
220	Conduct make-ready work			3/30/10	6/15/10
221	**Underground Approvals**			**3/11/10**	**3/31/10**
222	Receive underground permits			3/11/10	3/31/10
223	**Field Construction**			**3/31/10**	**9/17/10**
224	Conduct underground work			3/31/10	8/9/10
225	Conduct pole work			6/15/10	8/25/10
226	Test spliced fibers (entire segment)			8/25/10	8/31/10
227	Implement lateral and inside fiber connection			9/2/10	9/17/10
228	Install network electronics (core, distribution and			9/1/10	9/9/10
229	**Signoff acceptance**			**9/17/10**	**9/22/10**
230	As built drawings			9/17/10	9/22/10
231	Splicing diagram			9/17/10	9/17/10
232	Link loss report			9/17/10	9/17/10
233	Packing slips			9/17/10	9/17/10
234	Pre-test documentation			9/17/10	9/17/10
235	**Segment W-2 (Sandusky-Clyde)**		**33**	**2/3/10**	**11/16/10**
236	**Conduct site walkout**			**2/3/10**	**2/15/10**
237	**Aerial**			**2/3/10**	**2/15/10**
238	Obtain pole information			2/3/10	2/8/10
239	Gather pole birthmark (if available)			2/8/10	2/9/10
240	Obtain utility name who owns each pole			2/9/10	2/11/10



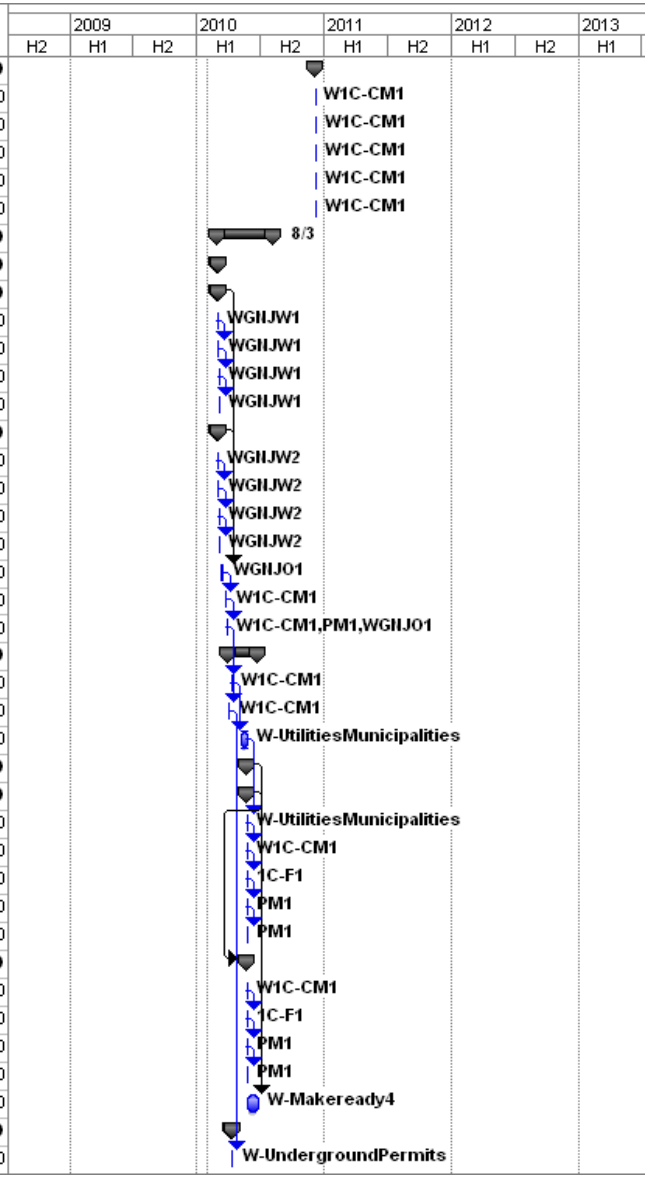
ID		Task Name	Hospital Name	Fiber Miles	Start	Finish
241		Measure individual utilities on poles			2/11/10	2/15/10
242		**Underground**			**2/3/10**	**2/15/10**
243		Identify underground locations			2/3/10	2/8/10
244		Identify riser poles			2/8/10	2/9/10
245		Location of pull vaults			2/9/10	2/11/10
246		Gather information on construction obstacles			2/11/10	2/15/10
247		Summarize walkout information and enter into CAD dra			2/18/10	3/3/10
248		Verify field information			3/3/10	3/8/10
249		Define detailed project plan for aerial & underground w			3/8/10	3/16/10
250		**Permitting**			**4/6/10**	**8/3/10**
251		Submit pole information to utilities and municipalitie			4/6/10	4/8/10
252		Submit underground information to municipalities,			4/12/10	4/14/10
253		Receive approval from utilities and municipalities			5/21/10	6/15/10
254		**Make-Ready**			**6/15/10**	**6/16/10**
255		**Engineering Costing**			**6/15/10**	**6/15/10**
256		Define project steps for make-ready wo			6/15/10	6/15/10
257		Receive invoice for engineering			6/15/10	6/15/10
258		Pay 100% of engineering invoice			6/15/10	6/15/10
259		Submit payment package to USAC			6/15/10	6/15/10
260		Receive 85% USAC reimbursement			6/15/10	6/15/10
261		**Make-Ready Costing**			**6/15/10**	**6/16/10**
262		Receive invoice for make-ready			6/15/10	6/15/10
263		Pay 100% of make-ready invoice			6/15/10	6/16/10
264		Submit payment package to USAC			6/16/10	6/16/10
265		Receive 85% USAC reimbursement			6/16/10	6/16/10
266		Conduct make-ready work			6/16/10	8/3/10
267		**Underground Approvals**			**4/19/10**	**4/28/10**
268		Receive underground permits			4/19/10	4/28/10
269		**Field Construction**			**8/9/10**	**11/16/10**
270		Conduct underground work			8/9/10	10/29/10
271		Conduct pole work			8/25/10	10/13/10
272		Test spliced fibers (entire segment)			10/29/10	11/2/10
273		Implement lateral and inside fiber connection			11/2/10	11/16/10
274		Install network electronics (core, distribution and			11/2/10	11/9/10
275		**Signoff acceptance**			**11/2/10**	**11/5/10**
276		As built drawings			11/2/10	11/5/10
277		Splicing diagram			11/2/10	11/3/10
278		Link loss report			11/2/10	11/3/10
279		Packing slips			11/2/10	11/3/10
280		Pre-test documentation			11/2/10	11/3/10



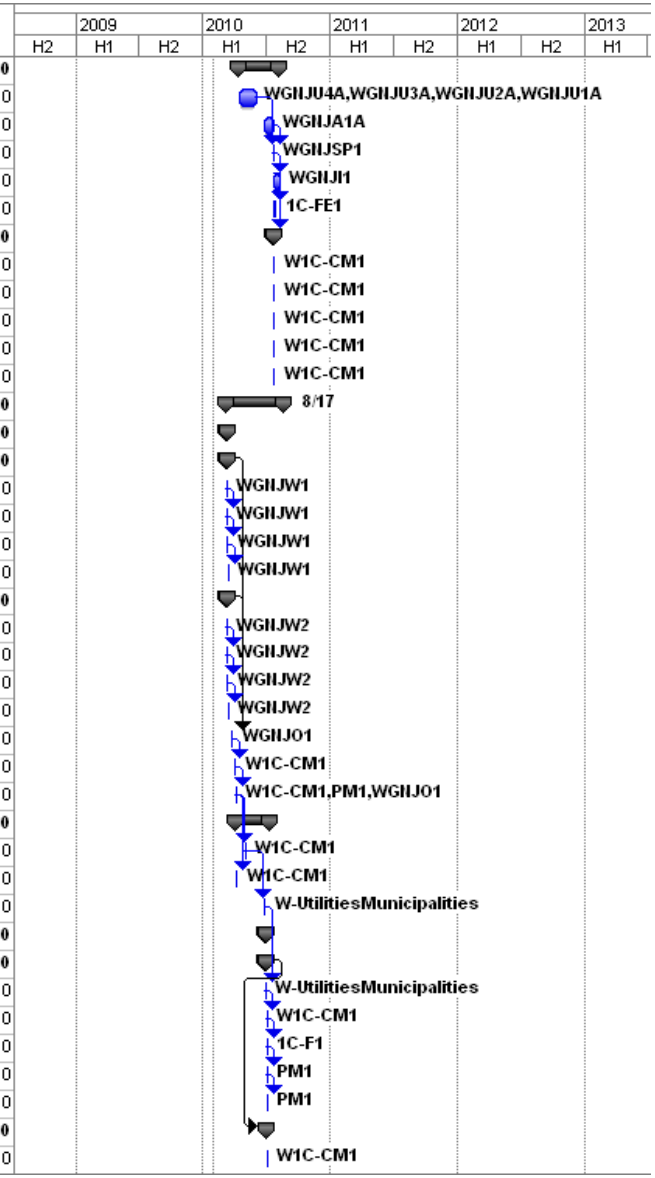
ID		Task Name	Hospital Name	Fiber Miles	Start	Finish
281		**Segment W-3 (Clyde - Fremont)**	**Memorial**	**12**	**2/17/10**	**12/17/10**
282		**Conduct site walkout**			**2/17/10**	**2/22/10**
283		**Aerial**			**2/17/10**	**2/22/10**
284		Obtain pole information			2/17/10	2/18/10
285		Gather pole birthmark (if available)			2/18/10	2/18/10
286		Obtain utility name who owns each pole			2/18/10	2/22/10
287		Measure individual utilities on poles			2/22/10	2/22/10
288		**Underground**			**2/17/10**	**2/22/10**
289		Identify underground locations			2/17/10	2/18/10
290		Identify riser poles			2/18/10	2/18/10
291		Location of pull vaults			2/18/10	2/22/10
292		Gather information on construction obstacles			2/22/10	2/22/10
293		Summarize walkout information and enter into CAD dra			3/24/10	3/29/10
294		Verify field information			5/3/10	5/3/10
295		Define detailed project plan for aerial & underground w			5/3/10	5/5/10
296		**Permitting**			**5/5/10**	**9/7/10**
297		Submit pole information to utilities and municipalitie			5/5/10	5/6/10
298		Submit underground information to municipalities,			5/5/10	5/6/10
299		Receive approval from utilities and municipalities			8/10/10	8/18/10
300		**Make-Ready**			**8/18/10**	**8/18/10**
301		**Engineering Costing**			**8/18/10**	**8/18/10**
302		Define project steps for make-ready wo			8/18/10	8/18/10
303		Receive invoice for engineering			8/18/10	8/18/10
304		Pay 100% of engineering invoice			8/18/10	8/18/10
305		Submit payment package to USAC			8/18/10	8/18/10
306		Receive 85% USAC reimbursement			8/18/10	8/18/10
307		**Make-Ready Costing**			**8/18/10**	**8/18/10**
308		Receive invoice for make-ready			8/18/10	8/18/10
309		Pay 100% of make-ready invoice			8/18/10	8/18/10
310		Submit payment package to USAC			8/18/10	8/18/10
311		Receive 85% USAC reimbursement			8/18/10	8/18/10
312		Conduct make-ready work			8/18/10	9/7/10
313		**Underground Approvals**			**5/12/10**	**5/14/10**
314		Receive underground permits			5/12/10	5/14/10
315		**Field Construction**			**10/13/10**	**12/17/10**
316		Conduct underground work			10/29/10	12/1/10
317		Conduct pole work			10/13/10	10/29/10
318		Test spliced fibers (entire segment)			12/1/10	12/2/10
319		Implement lateral and inside fiber connection			12/3/10	12/17/10
320		Install network electronics (core, distribution and			12/2/10	12/9/10



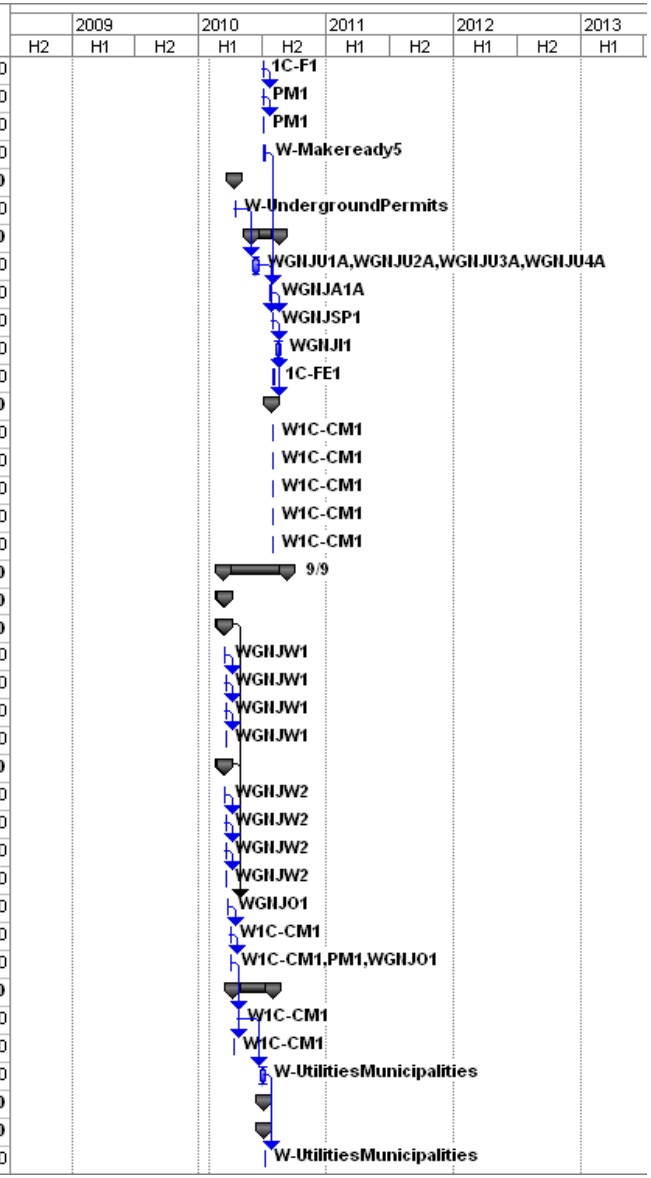
ID		Task Name	Hospital Name	Fiber Miles	Start	Finish
321		**Signoff acceptance**			**12/2/10**	**12/3/10**
322		As built drawings			12/2/10	12/3/10
323		Splicing diagram			12/2/10	12/2/10
324		Link loss report			12/2/10	12/2/10
325		Packing slips			12/2/10	12/2/10
326		Pre-test documentation			12/2/10	12/2/10
327		**Segment W-4 (Fremont-Port Clinton)**	**Magruder**	**20**	**2/24/10**	**8/3/10**
328		**Conduct site walkout**			**2/24/10**	**3/3/10**
329		**Aerial**			**2/24/10**	**3/3/10**
330		Obtain pole information			2/24/10	2/25/10
331		Gather pole birthmark (if available)			2/25/10	3/1/10
332		Obtain utility name who owns each pole			3/1/10	3/2/10
333		Measure individual utilities on poles			3/2/10	3/3/10
334		**Underground**			**2/24/10**	**3/3/10**
335		Identify underground locations			2/24/10	2/25/10
336		Identify riser poles			2/25/10	3/1/10
337		Location of pull vaults			3/1/10	3/2/10
338		Gather information on construction obstacles			3/2/10	3/3/10
339		Summarize walkout information and enter into CAD dra			3/8/10	3/15/10
340		Verify field information			3/22/10	3/23/10
341		Define detailed project plan for aerial & underground w			3/23/10	3/24/10
342		**Permitting**			**3/30/10**	**6/21/10**
343		Submit pole information to utilities and municipalitie			4/5/10	4/6/10
344		Submit underground information to municipalities,			3/30/10	3/31/10
345		Receive approval from utilities and municipalities			5/6/10	5/19/10
346		**Make-Ready**			**5/19/10**	**5/20/10**
347		**Engineering Costing**			**5/19/10**	**5/20/10**
348		Define project steps for make-ready wo			5/19/10	5/19/10
349		Receive invoice for engineering			5/19/10	5/19/10
350		Pay 100% of engineering invoice			5/19/10	5/19/10
351		Submit payment package to USAC			5/19/10	5/19/10
352		Receive 85% USAC reimbursement			5/19/10	5/20/10
353		**Make-Ready Costing**			**5/20/10**	**5/20/10**
354		Receive invoice for make-ready			5/20/10	5/20/10
355		Pay 100% of make-ready invoice			5/20/10	5/20/10
356		Submit payment package to USAC			5/20/10	5/20/10
357		Receive 85% USAC reimbursement			5/20/10	5/20/10
358		Conduct make-ready work			5/20/10	6/21/10
359		**Underground Approvals**			**4/5/10**	**4/9/10**
360		Receive underground permits			4/5/10	4/9/10



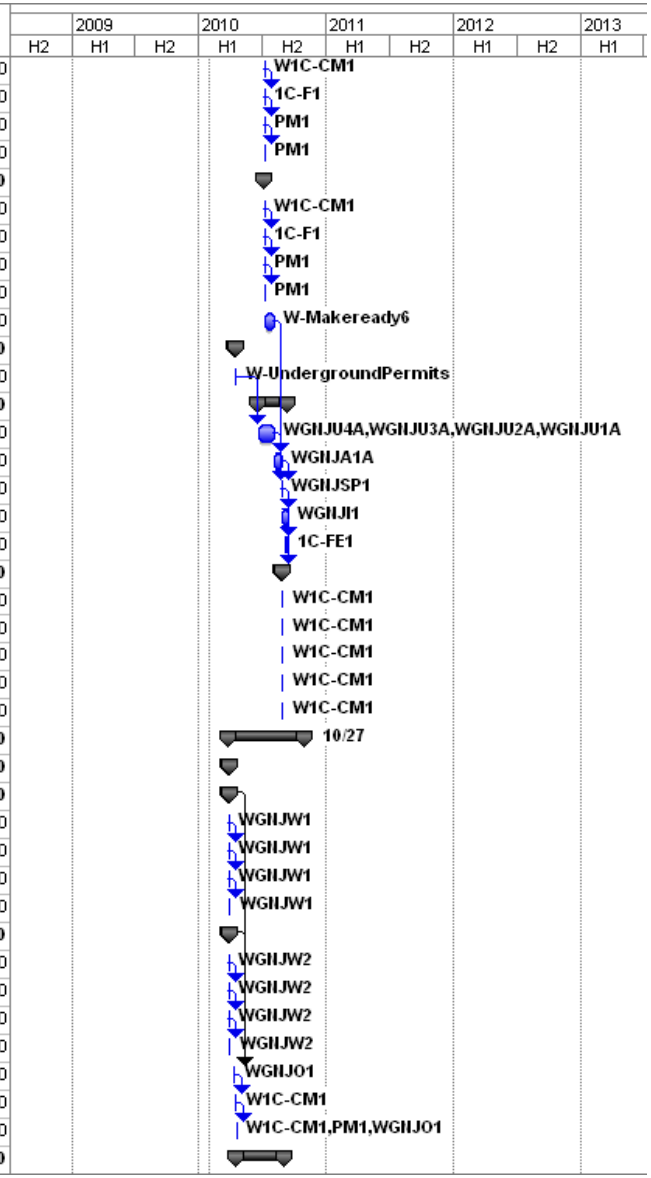
ID		Task Name	Hospital Name	Fiber Miles	Start	Finish
361		**Field Construction**			**4/9/10**	**8/3/10**
362		Conduct underground work			4/9/10	5/28/10
363		Conduct pole work			6/21/10	7/19/10
364		Test spliced fibers (entire segment)			7/19/10	7/20/10
365		Implement lateral and inside fiber connection			7/20/10	8/3/10
366		Install network electronics (core, distribution and			7/20/10	7/27/10
367		**Signoff acceptance**			**7/20/10**	**7/22/10**
368		As built drawings			7/20/10	7/22/10
369		Splicing diagram			7/20/10	7/21/10
370		Link loss report			7/20/10	7/21/10
371		Packing slips			7/20/10	7/21/10
372		Pre-test documentation			7/20/10	7/21/10
373		**Segment W-5 (Clyde-Bellevue)**	**Bellevue**	**7**	**3/8/10**	**8/17/10**
374		**Conduct site walkout**			**3/8/10**	**3/9/10**
375		**Aerial**			**3/8/10**	**3/9/10**
376		Obtain pole information			3/8/10	3/8/10
377		Gather pole birthmark (if available)			3/8/10	3/8/10
378		Obtain utility name who owns each pole			3/8/10	3/9/10
379		Measure individual utilities on poles			3/9/10	3/9/10
380		**Underground**			**3/8/10**	**3/9/10**
381		Identify underground locations			3/8/10	3/8/10
382		Identify riser poles			3/8/10	3/8/10
383		Location of pull vaults			3/8/10	3/9/10
384		Gather information on construction obstacles			3/9/10	3/9/10
385		Summarize walkout information and enter into CAD dra			3/22/10	3/23/10
386		Verify field information			3/30/10	3/31/10
387		Define detailed project plan for aerial & underground w			3/31/10	4/1/10
388		**Permitting**			**4/1/10**	**7/8/10**
389		Submit pole information to utilities and municipalitie			4/27/10	4/28/10
390		Submit underground information to municipalities,			4/1/10	4/5/10
391		Receive approval from utilities and municipalities			6/22/10	6/25/10
392		**Make-Ready**			**6/25/10**	**6/29/10**
393		**Engineering Costing**			**6/25/10**	**6/29/10**
394		Define project steps for make-ready wo			6/25/10	6/25/10
395		Receive invoice for engineering			6/29/10	6/29/10
396		Pay 100% of engineering invoice			6/29/10	6/29/10
397		Submit payment package to USAC			6/29/10	6/29/10
398		Receive 85% USAC reimbursement			6/29/10	6/29/10
399		**Make-Ready Costing**			**6/29/10**	**6/29/10**
400		Receive invoice for make-ready			6/29/10	6/29/10



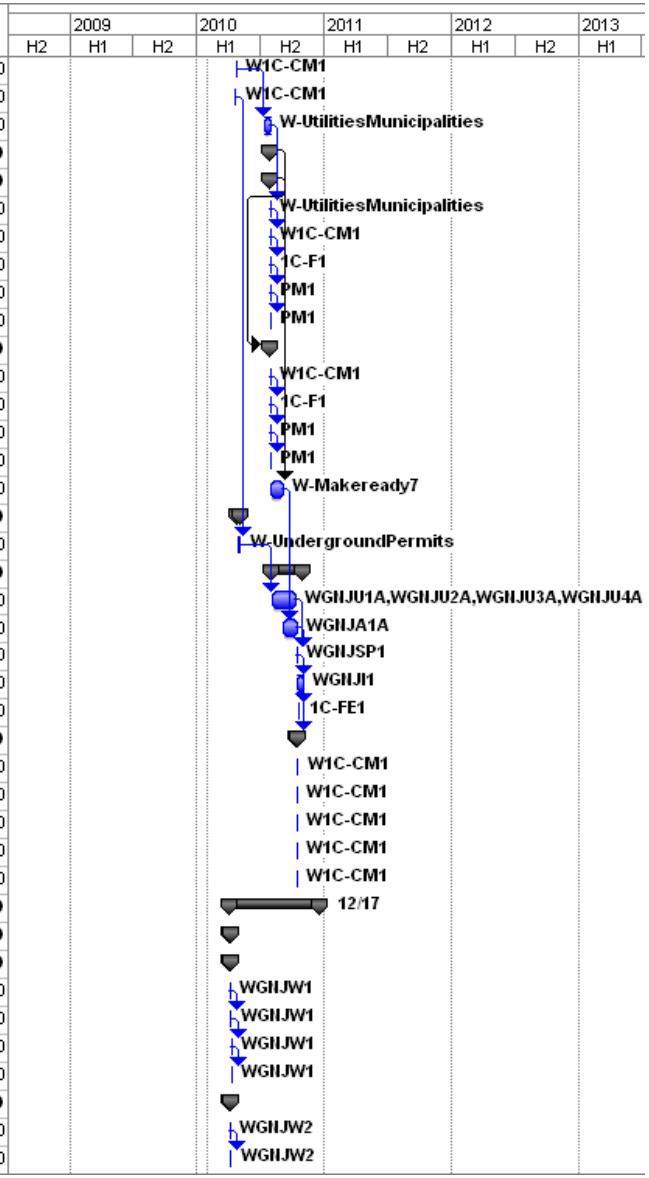
ID	Task Name	Hospital Name	Fiber Miles	Start	Finish
401	Pay 100% of make-ready invoice			6/29/10	6/29/10
402	Submit payment package to USAC			6/29/10	6/29/10
403	Receive 85% USAC reimbursement			6/29/10	6/29/10
404	Conduct make-ready work			6/29/10	7/8/10
405	**Underground Approvals**			**4/9/10**	**4/13/10**
406	Receive underground permits			4/9/10	4/13/10
407	**Field Construction**			**5/28/10**	**8/17/10**
408	Conduct underground work			5/28/10	6/17/10
409	Conduct pole work			7/19/10	7/28/10
410	Test spliced fibers (entire segment)			7/28/10	7/29/10
411	Implement lateral and inside fiber connection			8/4/10	8/17/10
412	Install network electronics (core, distribution and			7/29/10	8/5/10
413	**Signoff acceptance**			**7/29/10**	**7/29/10**
414	As built drawings			7/29/10	7/29/10
415	Splicing diagram			7/29/10	7/29/10
416	Link loss report			7/29/10	7/29/10
417	Packing slips			7/29/10	7/29/10
418	Pre-test documentation			7/29/10	7/29/10
419	**Segment W-6 (Bellevue-Norwalk)**	**Fisher Titus**	**17**	**3/11/10**	**9/9/10**
420	**Conduct site walkout**			**3/11/10**	**3/17/10**
421	**Aerial**			**3/11/10**	**3/17/10**
422	Obtain pole information			3/11/10	3/15/10
423	Gather pole birthmark (if available)			3/15/10	3/15/10
424	Obtain utility name who owns each pole			3/15/10	3/16/10
425	Measure individual utilities on poles			3/16/10	3/17/10
426	**Underground**			**3/11/10**	**3/17/10**
427	Identify underground locations			3/11/10	3/15/10
428	Identify riser poles			3/15/10	3/15/10
429	Location of pull vaults			3/15/10	3/16/10
430	Gather information on construction obstacles			3/16/10	3/17/10
431	Summarize walkout information and enter into CAD dra			3/22/10	3/25/10
432	Verify field information			3/29/10	3/30/10
433	Define detailed project plan for aerial & underground w			3/30/10	4/1/10
434	**Permitting**			**4/5/10**	**7/30/10**
435	Submit pole information to utilities and municipalitie			4/19/10	4/20/10
436	Submit underground information to municipalities,			4/5/10	4/6/10
437	Receive approval from utilities and municipalities			6/23/10	7/5/10
438	**Make-Ready**			**7/5/10**	**7/6/10**
439	**Engineering Costing**			**7/5/10**	**7/5/10**
440	Define project steps for make-ready wo			7/5/10	7/5/10



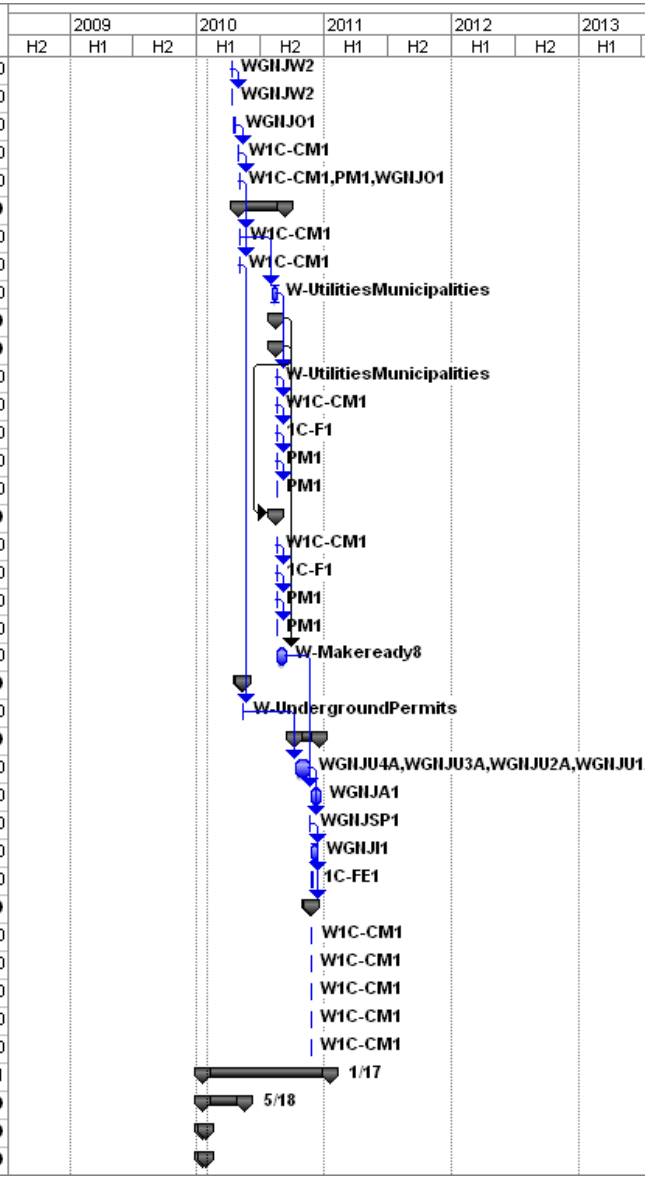
ID	Task Name	Hospital Name	Fiber Miles	Start	Finish
441	Receive invoice for engineering			7/5/10	7/5/10
442	Pay 100% of engineering invoice			7/5/10	7/5/10
443	Submit payment package to USAC			7/5/10	7/5/10
444	Receive 85% USAC reimbursement			7/5/10	7/5/10
445	**Make-Ready Costing**			**7/5/10**	**7/6/10**
446	Receive invoice for make-ready			7/5/10	7/5/10
447	Pay 100% of make-ready invoice			7/5/10	7/5/10
448	Submit payment package to USAC			7/5/10	7/5/10
449	Receive 85% USAC reimbursement			7/5/10	7/6/10
450	Conduct make-ready work			7/6/10	7/30/10
451	**Underground Approvals**			**4/12/10**	**4/15/10**
452	Receive underground permits			4/12/10	4/15/10
453	**Field Construction**			**6/17/10**	**9/9/10**
454	Conduct underground work			6/17/10	7/30/10
455	Conduct pole work			7/30/10	8/24/10
456	Test spliced fibers (entire segment)			8/24/10	8/25/10
457	Implement lateral and inside fiber connection			8/25/10	9/9/10
458	Install network electronics (core, distribution and			9/1/10	9/8/10
459	**Signoff acceptance**			**8/25/10**	**8/27/10**
460	As built drawings			8/25/10	8/27/10
461	Splicing diagram			8/25/10	8/26/10
462	Link loss report			8/25/10	8/26/10
463	Packing slips			8/25/10	8/26/10
464	Pre-test documentation			8/25/10	8/26/10
465	**Segment W-7 (Norwalk - New London)**		**26**	**3/22/10**	**10/27/10**
466	**Conduct site walkout**			**3/22/10**	**3/29/10**
467	**Aerial**			**3/22/10**	**3/29/10**
468	Obtain pole information			3/22/10	3/23/10
469	Gather pole birthmark (if available)			3/23/10	3/24/10
470	Obtain utility name who owns each pole			3/24/10	3/25/10
471	Measure individual utilities on poles			3/25/10	3/29/10
472	**Underground**			**3/22/10**	**3/29/10**
473	Identify underground locations			3/22/10	3/23/10
474	Identify riser poles			3/23/10	3/24/10
475	Location of pull vaults			3/24/10	3/25/10
476	Gather information on construction obstacles			3/25/10	3/29/10
477	Summarize walkout information and enter into CAD dra			4/5/10	4/12/10
478	Verify field information			4/13/10	4/14/10
479	Define detailed project plan for aerial & underground w			4/14/10	4/15/10
480	**Permitting**			**4/15/10**	**9/2/10**



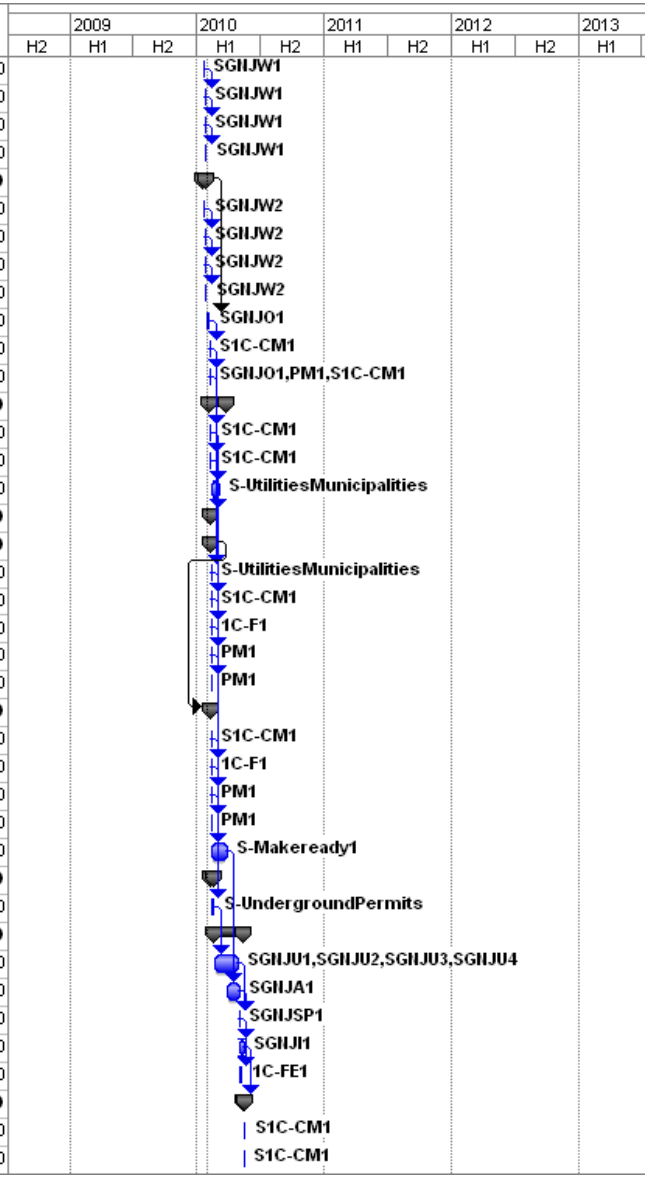
ID	Task Name	Hospital Name	Fiber Miles	Start	Finish
481	Submit pole information to utilities and municipalitie			4/21/10	4/23/10
482	Submit underground information to municipalities,			4/15/10	4/19/10
483	Receive approval from utilities and municipalities			7/8/10	7/27/10
484	**Make-Ready**			**7/27/10**	**7/27/10**
485	**Engineering Costing**			**7/27/10**	**7/27/10**
486	Define project steps for make-ready wo			7/27/10	7/27/10
487	Receive invoice for engineering			7/27/10	7/27/10
488	Pay 100% of engineering invoice			7/27/10	7/27/10
489	Submit payment package to USAC			7/27/10	7/27/10
490	Receive 85% USAC reimbursement			7/27/10	7/27/10
491	**Make-Ready Costing**			**7/27/10**	**7/27/10**
492	Receive invoice for make-ready			7/27/10	7/27/10
493	Pay 100% of make-ready invoice			7/27/10	7/27/10
494	Submit payment package to USAC			7/27/10	7/27/10
495	Receive 85% USAC reimbursement			7/27/10	7/27/10
496	Conduct make-ready work			7/27/10	9/2/10
497	**Underground Approvals**			**4/27/10**	**5/4/10**
498	Receive underground permits			4/27/10	5/4/10
499	**Field Construction**			**7/30/10**	**10/27/10**
500	Conduct underground work			7/30/10	10/5/10
501	Conduct pole work			9/2/10	10/11/10
502	Test spliced fibers (entire segment)			10/11/10	10/13/10
503	Implement lateral and inside fiber connection			10/13/10	10/27/10
504	Install network electronics (core, distribution and			10/14/10	10/20/10
505	**Signoff acceptance**			**10/13/10**	**10/15/10**
506	As built drawings			10/13/10	10/15/10
507	Splicing diagram			10/13/10	10/13/10
508	Link loss report			10/13/10	10/13/10
509	Packing slips			10/13/10	10/13/10
510	Pre-test documentation			10/13/10	10/13/10
511	**Segment W-8 (New London - Ashland)**	**Samaritan**	**18**	**3/31/10**	**12/17/10**
512	**Conduct site walkout**			**3/31/10**	**4/7/10**
513	**Aerial**			**3/31/10**	**4/7/10**
514	Obtain pole information			3/31/10	4/1/10
515	Gather pole birthmark (if available)			4/1/10	4/5/10
516	Obtain utility name who owns each pole			4/5/10	4/6/10
517	Measure individual utilities on poles			4/6/10	4/7/10
518	**Underground**			**3/31/10**	**4/7/10**
519	Identify underground locations			3/31/10	4/1/10
520	Identify riser poles			4/1/10	4/5/10



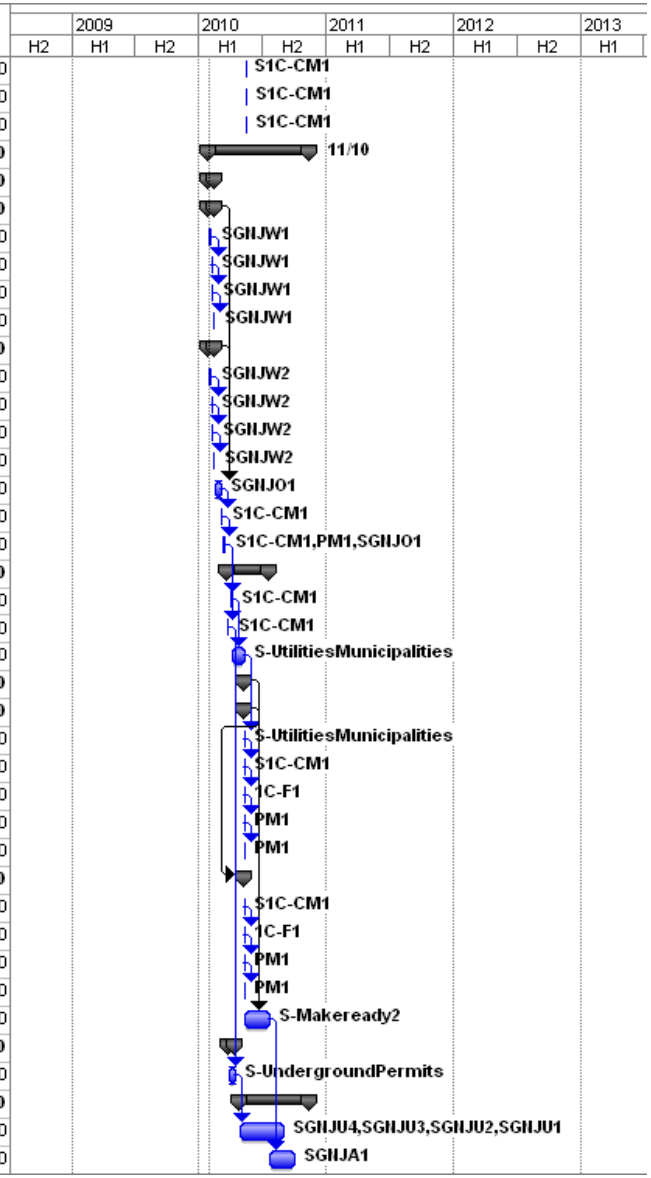
ID	Task Name	Hospital Name	Fiber Miles	Start	Finish
521	Location of pull vaults			4/5/10	4/6/10
522	Gather information on construction obstacles			4/6/10	4/7/10
523	Summarize walkout information and enter into CAD dra			4/13/10	4/19/10
524	Verify field information			4/26/10	4/28/10
525	Define detailed project plan for aerial & underground w			4/28/10	4/28/10
526	**Permitting**			**4/28/10**	**9/10/10**
527	Submit pole information to utilities and municipalitie			4/30/10	5/3/10
528	Submit underground information to municipalities,			4/28/10	4/30/10
529	Receive approval from utilities and municipalities			8/2/10	8/12/10
530	**Make-Ready**			**8/12/10**	**8/13/10**
531	**Engineering Costing**			**8/12/10**	**8/13/10**
532	Define project steps for make-ready wo			8/12/10	8/12/10
533	Receive invoice for engineering			8/12/10	8/13/10
534	Pay 100% of engineering invoice			8/13/10	8/13/10
535	Submit payment package to USAC			8/13/10	8/13/10
536	Receive 85% USAC reimbursement			8/13/10	8/13/10
537	**Make-Ready Costing**			**8/13/10**	**8/13/10**
538	Receive invoice for make-ready			8/13/10	8/13/10
539	Pay 100% of make-ready invoice			8/13/10	8/13/10
540	Submit payment package to USAC			8/13/10	8/13/10
541	Receive 85% USAC reimbursement			8/13/10	8/13/10
542	Conduct make-ready work			8/13/10	9/10/10
543	**Underground Approvals**			**5/6/10**	**5/12/10**
544	Receive underground permits			5/6/10	5/12/10
545	**Field Construction**			**10/5/10**	**12/17/10**
546	Conduct underground work			10/5/10	11/18/10
547	Conduct pole work			11/19/10	12/17/10
548	Test spliced fibers (entire segment)			11/18/10	11/19/10
549	Implement lateral and inside fiber connection			11/19/10	12/6/10
550	Install network electronics (core, distribution and			11/19/10	11/29/10
551	**Signoff acceptance**			**11/19/10**	**11/23/10**
552	As built drawings			11/19/10	11/23/10
553	Splicing diagram			11/19/10	11/22/10
554	Link loss report			11/19/10	11/22/10
555	Packing slips			11/19/10	11/22/10
556	Pre-test documentation			11/19/10	11/22/10
557	**Southern Zone**			**1/18/10**	**1/17/11**
558	**Segment S-1 (Canton-Akron)**		24	**1/18/10**	**5/18/10**
559	**Conduct site walkout**			**1/18/10**	**1/25/10**
560	**Aerial**			**1/18/10**	**1/25/10**



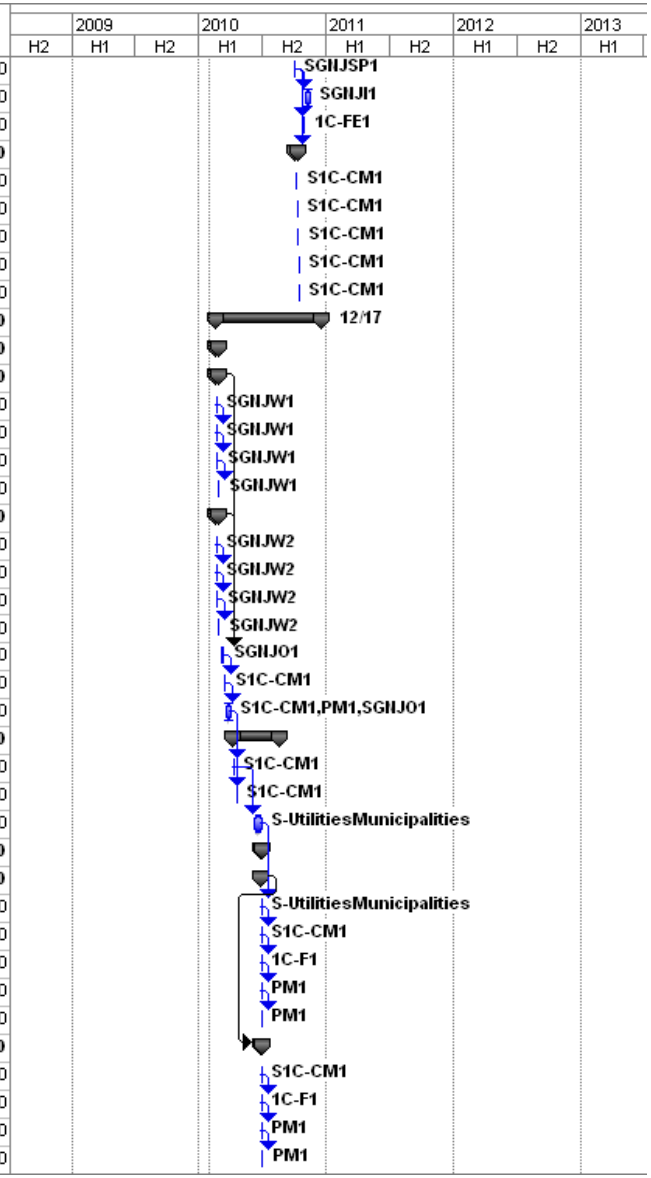
ID	Task Name	Hospital Name	Fiber Miles	Start	Finish
561	Obtain pole information			1/18/10	1/19/10
562	Gather pole birthmark (if available)			1/19/10	1/20/10
563	Obtain utility name who owns each pole			1/20/10	1/21/10
564	Measure individual utilities on poles			1/21/10	1/25/10
565	**Underground**			**1/18/10**	**1/25/10**
566	Identify underground locations			1/18/10	1/19/10
567	Identify riser poles			1/19/10	1/20/10
568	Location of pull vaults			1/20/10	1/21/10
569	Gather information on construction obstacles			1/21/10	1/25/10
570	Summarize walkout information and enter into CAD dra			1/25/10	2/2/10
571	Verify field information			2/2/10	2/3/10
572	Define detailed project plan for aerial & underground w			2/3/10	2/4/10
573	**Permitting**			**2/4/10**	**3/23/10**
574	Submit pole information to utilities and municipalitie			2/4/10	2/8/10
575	Submit underground information to municipalities,			2/4/10	2/8/10
576	Receive approval from utilities and municipalities			2/8/10	3/1/10
577	**Make-Ready**			**2/8/10**	**2/9/10**
578	**Engineering Costing**			**2/8/10**	**2/9/10**
579	Define project steps for make-ready wo			2/8/10	2/8/10
580	Receive invoice for engineering			2/8/10	2/8/10
581	Pay 100% of engineering invoice			2/8/10	2/8/10
582	Submit payment package to USAC			2/8/10	2/9/10
583	Receive 85% USAC reimbursement			2/9/10	2/9/10
584	**Make-Ready Costing**			**2/9/10**	**2/9/10**
585	Receive invoice for make-ready			2/9/10	2/9/10
586	Pay 100% of make-ready invoice			2/9/10	2/9/10
587	Submit payment package to USAC			2/9/10	2/9/10
588	Receive 85% USAC reimbursement			2/9/10	2/9/10
589	Conduct make-ready work			2/9/10	3/23/10
590	**Underground Approvals**			**2/8/10**	**2/16/10**
591	Receive underground permits			2/8/10	2/16/10
592	**Field Construction**			**2/16/10**	**5/14/10**
593	Conduct underground work			2/16/10	4/26/10
594	Conduct pole work			3/23/10	4/28/10
595	Test spliced fibers (entire segment)			4/28/10	4/30/10
596	Implement lateral and inside fiber connection			4/30/10	5/14/10
597	Install network electronics (core, distribution and			4/30/10	5/7/10
598	**Signoff acceptance**			**5/14/10**	**5/18/10**
599	As built drawings			5/14/10	5/18/10
600	Splicing diagram			5/14/10	5/14/10



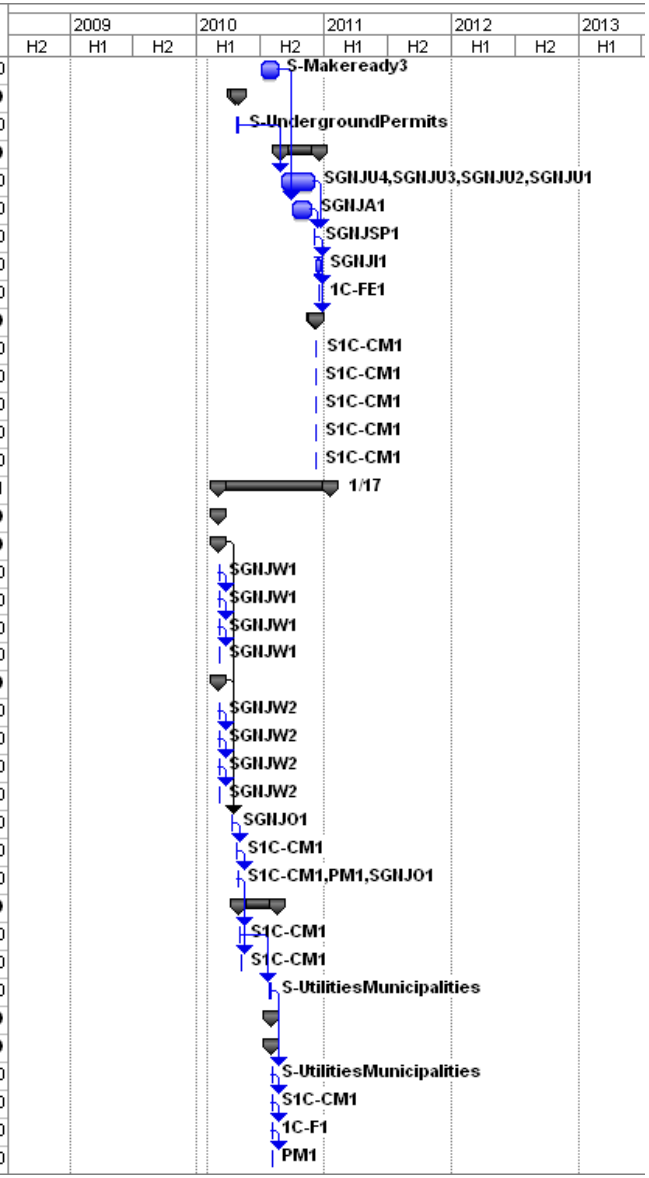
ID		Task Name	Hospital Name	Fiber Miles	Start	Finish
601		Link loss report			5/14/10	5/14/10
602		Packing slips			5/14/10	5/14/10
603		Pre-test documentation			5/14/10	5/14/10
604		**Segment S-2 (Wooster-Coshocton)**	**Coshocton**	**49**	**1/27/10**	**11/10/10**
605		**Conduct site walkout**			**1/27/10**	**2/10/10**
606		**Aerial**			**1/27/10**	**2/10/10**
607		Obtain pole information			1/27/10	2/1/10
608		Gather pole birthmark (if available)			2/1/10	2/3/10
609		Obtain utility name who owns each pole			2/3/10	2/8/10
610		Measure individual utilities on poles			2/8/10	2/10/10
611		**Underground**			**1/27/10**	**2/10/10**
612		Identify underground locations			1/27/10	2/1/10
613		Identify riser poles			2/1/10	2/3/10
614		Location of pull vaults			2/3/10	2/8/10
615		Gather information on construction obstacles			2/8/10	2/10/10
616		Summarize walkout information and enter into CAD dra			2/10/10	3/1/10
617		Verify field information			3/1/10	3/8/10
618		Define detailed project plan for aerial & underground w			3/8/10	3/17/10
619		**Permitting**			**3/22/10**	**7/19/10**
620		Submit pole information to utilities and municipalitie			3/29/10	4/1/10
621		Submit underground information to municipalities,			3/22/10	3/25/10
622		Receive approval from utilities and municipalities			4/1/10	5/6/10
623		**Make-Ready**			**5/6/10**	**5/6/10**
624		**Engineering Costing**			**5/6/10**	**5/6/10**
625		Define project steps for make-ready wo			5/6/10	5/6/10
626		Receive invoice for engineering			5/6/10	5/6/10
627		Pay 100% of engineering invoice			5/6/10	5/6/10
628		Submit payment package to USAC			5/6/10	5/6/10
629		Receive 85% USAC reimbursement			5/6/10	5/6/10
630		**Make-Ready Costing**			**5/6/10**	**5/6/10**
631		Receive invoice for make-ready			5/6/10	5/6/10
632		Pay 100% of make-ready invoice			5/6/10	5/6/10
633		Submit payment package to USAC			5/6/10	5/6/10
634		Receive 85% USAC reimbursement			5/6/10	5/6/10
635		Conduct make-ready work			5/6/10	7/19/10
636		**Underground Approvals**			**3/25/10**	**4/13/10**
637		Receive underground permits			3/25/10	4/13/10
638		**Field Construction**			**4/26/10**	**11/10/10**
639		Conduct underground work			4/26/10	8/27/10
640		Conduct pole work			7/19/10	9/28/10



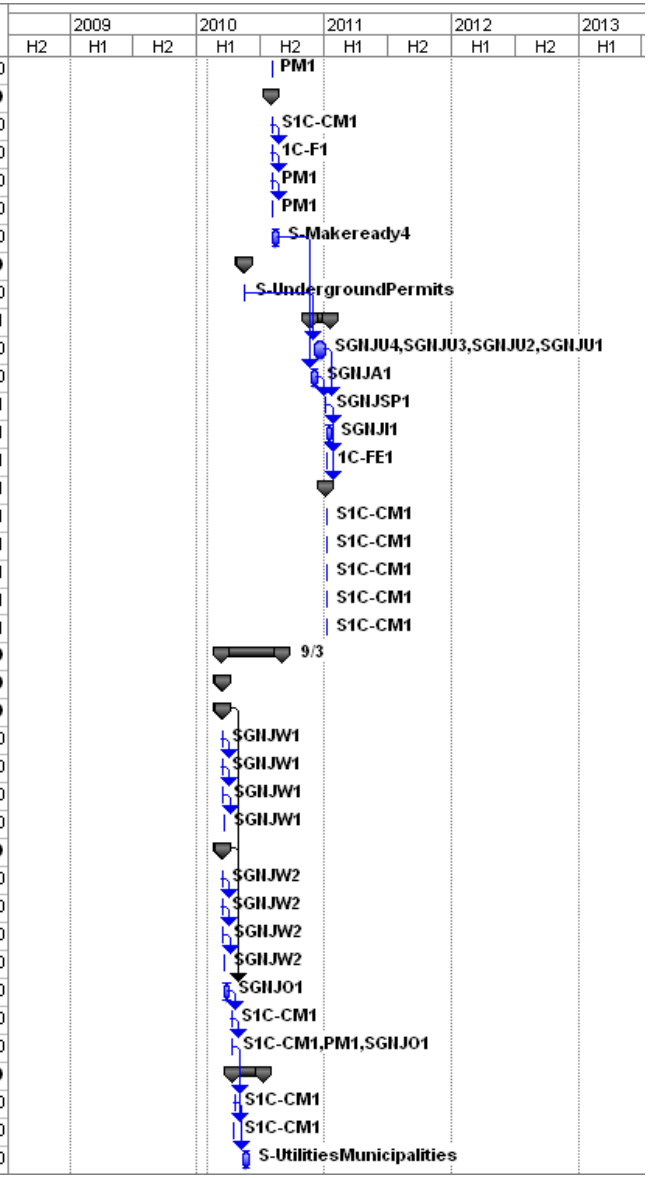
ID		Task Name	Hospital Name	Fiber Miles	Start	Finish
641		Test spliced fibers (entire segment)			9/28/10	10/4/10
642		Implement lateral and inside fiber connection			10/27/10	11/10/10
643		Install network electronics (core, distribution and			10/20/10	10/27/10
644		**Signoff acceptance**			**10/4/10**	**10/13/10**
645		As built drawings			10/4/10	10/7/10
646		Splicing diagram			10/7/10	10/8/10
647		Link loss report			10/8/10	10/11/10
648		Packing slips			10/11/10	10/12/10
649		Pre-test documentation			10/12/10	10/13/10
650		**Segment S-3 (Coshocton - Denison)**	**Twin City**	**37**	**2/15/10**	**12/17/10**
651		**Conduct site walkout**			**2/15/10**	**2/25/10**
652		**Aerial**			**2/15/10**	**2/25/10**
653		Obtain pole information			2/15/10	2/17/10
654		Gather pole birthmark (if available)			2/17/10	2/18/10
655		Obtain utility name who owns each pole			2/18/10	2/23/10
656		Measure individual utilities on poles			2/23/10	2/25/10
657		**Underground**			**2/15/10**	**2/25/10**
658		Identify underground locations			2/15/10	2/17/10
659		Identify riser poles			2/17/10	2/18/10
660		Location of pull vaults			2/18/10	2/23/10
661		Gather information on construction obstacles			2/23/10	2/25/10
662		Summarize walkout information and enter into CAD dra			3/1/10	3/11/10
663		Verify field information			3/11/10	3/17/10
664		Define detailed project plan for aerial & underground w			3/17/10	3/29/10
665		**Permitting**			**4/5/10**	**8/20/10**
666		Submit pole information to utilities and municipalitie			4/5/10	4/7/10
667		Submit underground information to municipalities,			4/14/10	4/16/10
668		Receive approval from utilities and municipalities			6/2/10	6/28/10
669		**Make-Ready**			**6/28/10**	**6/29/10**
670		**Engineering Costing**			**6/28/10**	**6/28/10**
671		Define project steps for make-ready wo			6/28/10	6/28/10
672		Receive invoice for engineering			6/28/10	6/28/10
673		Pay 100% of engineering invoice			6/28/10	6/28/10
674		Submit payment package to USAC			6/28/10	6/28/10
675		Receive 85% USAC reimbursement			6/28/10	6/28/10
676		**Make-Ready Costing**			**6/28/10**	**6/29/10**
677		Receive invoice for make-ready			6/28/10	6/28/10
678		Pay 100% of make-ready invoice			6/28/10	6/28/10
679		Submit payment package to USAC			6/28/10	6/28/10
680		Receive 85% USAC reimbursement			6/28/10	6/29/10



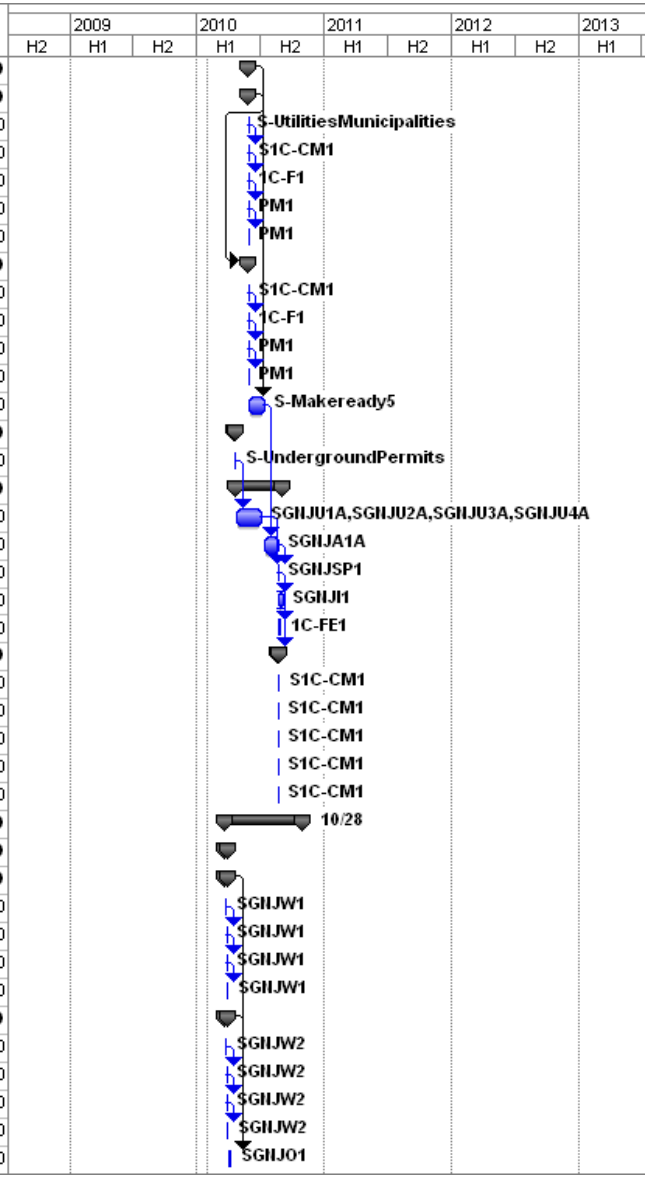
ID	Task Name	Hospital Name	Fiber Miles	Start	Finish
681	Conduct make-ready work			6/29/10	8/20/10
682	**Underground Approvals**			**4/21/10**	**4/30/10**
683	Receive underground permits			4/21/10	4/30/10
684	**Field Construction**			**8/27/10**	**12/17/10**
685	Conduct underground work			8/27/10	11/30/10
686	Conduct pole work			9/28/10	11/19/10
687	Test spliced fibers (entire segment)			11/30/10	12/3/10
688	Implement lateral and inside fiber connection			12/3/10	12/17/10
689	Install network electronics (core, distribution and			12/13/10	12/17/10
690	**Signoff acceptance**			**12/3/10**	**12/7/10**
691	As built drawings			12/3/10	12/7/10
692	Splicing diagram			12/3/10	12/3/10
693	Link loss report			12/3/10	12/3/10
694	Packing slips			12/3/10	12/3/10
695	Pre-test documentation			12/3/10	12/3/10
696	**Segment S-4 (Denison - New Philadelphia)**	**Union**	**13**	**3/2/10**	**1/17/11**
697	**Conduct site walkout**			**3/2/10**	**3/4/10**
698	**Aerial**			**3/2/10**	**3/4/10**
699	Obtain pole information			3/2/10	3/2/10
700	Gather pole birthmark (if available)			3/2/10	3/3/10
701	Obtain utility name who owns each pole			3/3/10	3/3/10
702	Measure individual utilities on poles			3/3/10	3/4/10
703	**Underground**			**3/2/10**	**3/4/10**
704	Identify underground locations			3/2/10	3/2/10
705	Identify riser poles			3/2/10	3/3/10
706	Location of pull vaults			3/3/10	3/3/10
707	Gather information on construction obstacles			3/3/10	3/4/10
708	Summarize walkout information and enter into CAD dra			4/6/10	4/9/10
709	Verify field information			4/22/10	4/23/10
710	Define detailed project plan for aerial & underground w			4/23/10	4/26/10
711	**Permitting**			**4/30/10**	**8/20/10**
712	Submit pole information to utilities and municipalitie			4/30/10	5/3/10
713	Submit underground information to municipalities,			5/4/10	5/4/10
714	Receive approval from utilities and municipalities			7/22/10	8/2/10
715	**Make-Ready**			**8/2/10**	**8/2/10**
716	**Engineering Costing**			**8/2/10**	**8/2/10**
717	Define project steps for make-ready wo			8/2/10	8/2/10
718	Receive invoice for engineering			8/2/10	8/2/10
719	Pay 100% of engineering invoice			8/2/10	8/2/10
720	Submit payment package to USAC			8/2/10	8/2/10



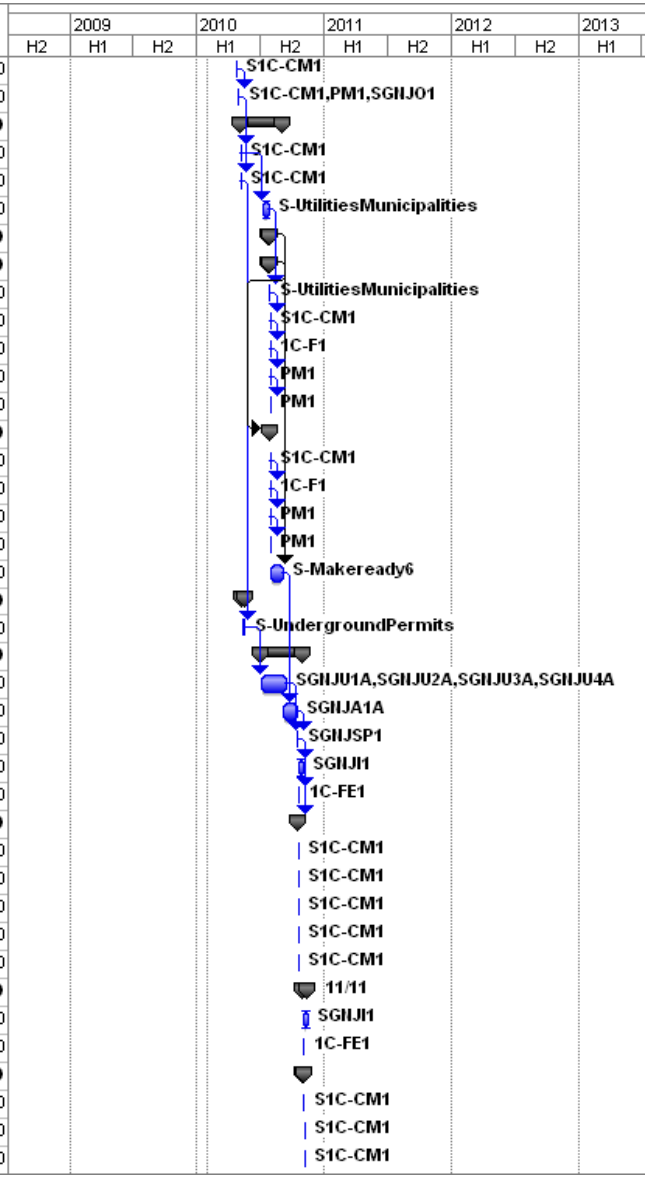
ID		Task Name	Hospital Name	Fiber Miles	Start	Finish
721		Receive 85% USAC reimbursement			8/2/10	8/2/10
722		**Make-Ready Costing**			**8/2/10**	**8/2/10**
723		Receive invoice for make-ready			8/2/10	8/2/10
724		Pay 100% of make-ready invoice			8/2/10	8/2/10
725		Submit payment package to USAC			8/2/10	8/2/10
726		Receive 85% USAC reimbursement			8/2/10	8/2/10
727		Conduct make-ready work			8/2/10	8/20/10
728		**Underground Approvals**			**5/13/10**	**5/18/10**
729		Receive underground permits			5/13/10	5/18/10
730		**Field Construction**			**11/19/10**	**1/17/11**
731		Conduct underground work			11/30/10	12/31/10
732		Conduct pole work			11/19/10	12/9/10
733		Test spliced fibers (entire segment)			12/31/10	1/3/11
734		Implement lateral and inside fiber connection			1/3/11	1/17/11
735		Install network electronics (core, distribution and			1/3/11	1/10/11
736		**Signoff acceptance**			**1/3/11**	**1/4/11**
737		As built drawings			1/3/11	1/4/11
738		Splicing diagram			1/3/11	1/3/11
739		Link loss report			1/3/11	1/3/11
740		Packing slips			1/3/11	1/3/11
741		Pre-test documentation			1/3/11	1/3/11
742		**Segment S-5 (New Philadelphia - Canton)**		**28**	**3/9/10**	**9/3/10**
743		**Conduct site walkout**			**3/9/10**	**3/17/10**
744		**Aerial**			**3/9/10**	**3/17/10**
745		Obtain pole information			3/9/10	3/10/10
746		Gather pole birthmark (if available)			3/10/10	3/11/10
747		Obtain utility name who owns each pole			3/11/10	3/15/10
748		Measure individual utilities on poles			3/15/10	3/17/10
749		**Underground**			**3/9/10**	**3/17/10**
750		Identify underground locations			3/9/10	3/10/10
751		Identify riser poles			3/10/10	3/11/10
752		Location of pull vaults			3/11/10	3/15/10
753		Gather information on construction obstacles			3/15/10	3/17/10
754		Summarize walkout information and enter into CAD dra			3/17/10	3/29/10
755		Verify field information			4/5/10	4/6/10
756		Define detailed project plan for aerial & underground w			4/6/10	4/12/10
757		**Permitting**			**4/12/10**	**7/9/10**
758		Submit pole information to utilities and municipalitie			4/14/10	4/16/10
759		Submit underground information to municipalities,			4/12/10	4/14/10
760		Receive approval from utilities and municipalities			5/10/10	5/27/10



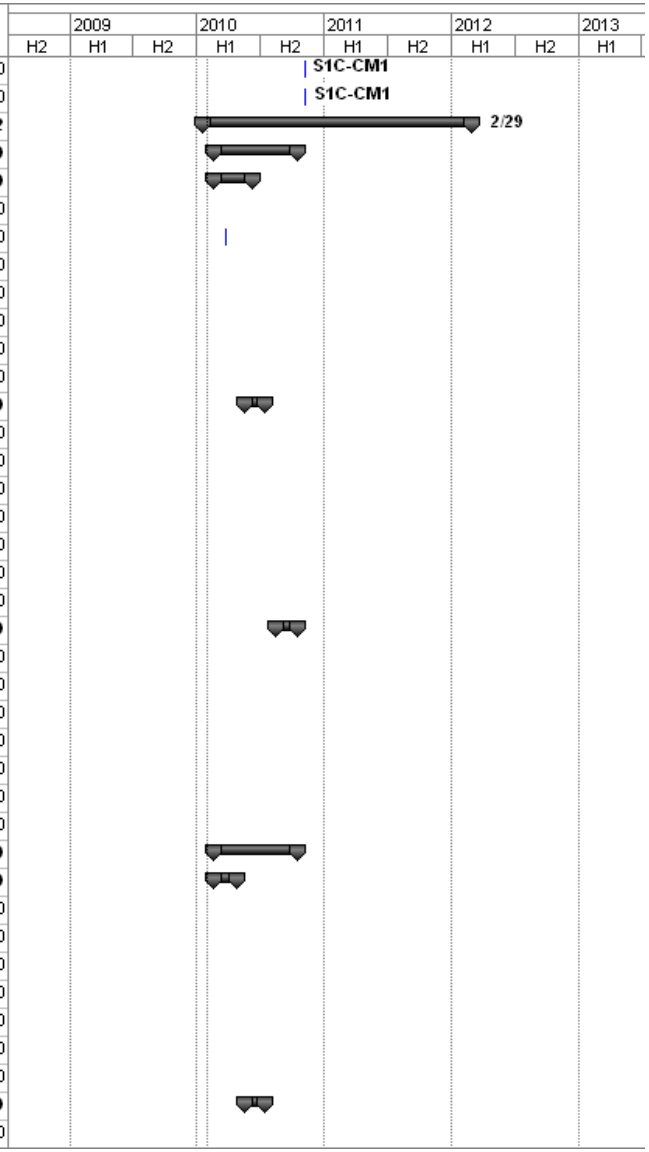
ID	Task Name	Hospital Name	Fiber Miles	Start	Finish
761	**Make-Ready**			**5/27/10**	**5/28/10**
762	**Engineering Costing**			**5/27/10**	**5/27/10**
763	Define project steps for make-ready wo			5/27/10	5/27/10
764	Receive invoice for engineering			5/27/10	5/27/10
765	Pay 100% of engineering invoice			5/27/10	5/27/10
766	Submit payment package to USAC			5/27/10	5/27/10
767	Receive 85% USAC reimbursement			5/27/10	5/27/10
768	**Make-Ready Costing**			**5/27/10**	**5/28/10**
769	Receive invoice for make-ready			5/27/10	5/27/10
770	Pay 100% of make-ready invoice			5/27/10	5/27/10
771	Submit payment package to USAC			5/27/10	5/28/10
772	Receive 85% USAC reimbursement			5/28/10	5/28/10
773	Conduct make-ready work			5/28/10	7/9/10
774	**Underground Approvals**			**4/14/10**	**4/22/10**
775	Receive underground permits			4/14/10	4/22/10
776	**Field Construction**			**4/22/10**	**9/3/10**
777	Conduct underground work			4/22/10	7/2/10
778	Conduct pole work			7/9/10	8/18/10
779	Test spliced fibers (entire segment)			8/18/10	8/20/10
780	Implement lateral and inside fiber connection			8/20/10	9/3/10
781	Install network electronics (core, distribution and			8/20/10	8/27/10
782	**Signoff acceptance**			**8/20/10**	**8/24/10**
783	As built drawings			8/20/10	8/24/10
784	Splicing diagram			8/20/10	8/20/10
785	Link loss report			8/20/10	8/20/10
786	Packing slips			8/20/10	8/20/10
787	Pre-test documentation			8/20/10	8/20/10
788	**Segment S-6 (Ashland-Wooster)**	**Wooster Community**	**27**	**3/22/10**	**10/28/10**
789	**Conduct site walkout**			**3/22/10**	**3/29/10**
790	**Aerial**			**3/22/10**	**3/29/10**
791	Obtain pole information			3/22/10	3/23/10
792	Gather pole birthmark (if available)			3/23/10	3/24/10
793	Obtain utility name who owns each pole			3/24/10	3/25/10
794	Measure individual utilities on poles			3/25/10	3/29/10
795	**Underground**			**3/22/10**	**3/29/10**
796	Identify underground locations			3/22/10	3/23/10
797	Identify riser poles			3/23/10	3/24/10
798	Location of pull vaults			3/24/10	3/25/10
799	Gather information on construction obstacles			3/25/10	3/29/10
800	Summarize walkout information and enter into CAD dra			3/30/10	4/8/10



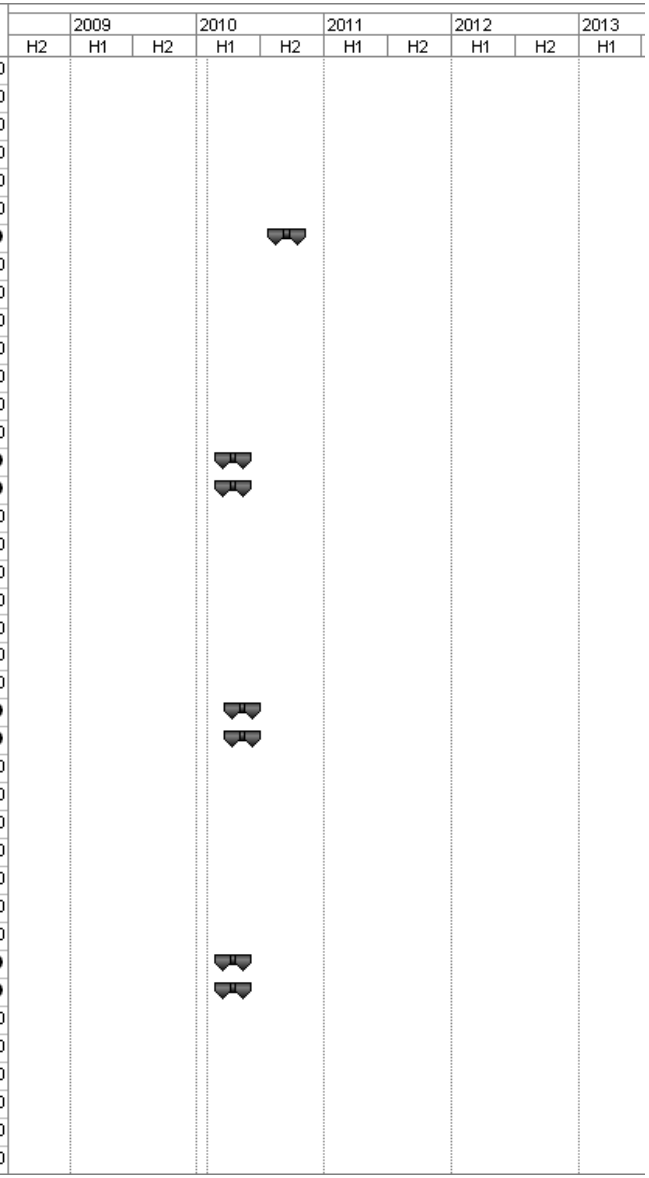
ID	Task Name	Hospital Name	Fiber Miles	Start	Finish
801	Verify field information			4/21/10	4/23/10
802	Define detailed project plan for aerial & underground w			4/23/10	4/27/10
803	**Permitting**			**5/3/10**	**9/2/10**
804	Submit pole information to utilities and municipalitie			5/3/10	5/4/10
805	Submit underground information to municipalities,			5/3/10	5/4/10
806	Receive approval from utilities and municipalities			7/7/10	7/23/10
807	**Make-Ready**			**7/23/10**	**7/26/10**
808	**Engineering Costing**			**7/23/10**	**7/26/10**
809	Define project steps for make-ready wo			7/23/10	7/26/10
810	Receive invoice for engineering			7/26/10	7/26/10
811	Pay 100% of engineering invoice			7/26/10	7/26/10
812	Submit payment package to USAC			7/26/10	7/26/10
813	Receive 85% USAC reimbursement			7/26/10	7/26/10
814	**Make-Ready Costing**			**7/26/10**	**7/26/10**
815	Receive invoice for make-ready			7/26/10	7/26/10
816	Pay 100% of make-ready invoice			7/26/10	7/26/10
817	Submit payment package to USAC			7/26/10	7/26/10
818	Receive 85% USAC reimbursement			7/26/10	7/26/10
819	Conduct make-ready work			7/26/10	9/2/10
820	**Underground Approvals**			**5/10/10**	**5/17/10**
821	Receive underground permits			5/10/10	5/17/10
822	**Field Construction**			**7/2/10**	**10/28/10**
823	Conduct underground work			7/2/10	9/8/10
824	Conduct pole work			9/2/10	10/12/10
825	Test spliced fibers (entire segment)			10/12/10	10/14/10
826	Implement lateral and inside fiber connection			10/14/10	10/28/10
827	Install network electronics (core, distribution and			10/14/10	10/21/10
828	**Signoff acceptance**			**10/14/10**	**10/18/10**
829	As built drawings			10/14/10	10/18/10
830	Splicing diagram			10/14/10	10/14/10
831	Link loss report			10/14/10	10/14/10
832	Packing slips			10/14/10	10/14/10
833	Pre-test documentation			10/14/10	10/14/10
834	**OneCommunity Access Ring Fiber**	**East Liverpool**	**.2**	**10/28/10**	**11/11/10**
835	Implement lateral and inside fiber connection			10/28/10	11/11/10
836	Install network electronics (core, distribution and edge			10/28/10	11/4/10
837	**Signoff acceptance**			**10/28/10**	**11/2/10**
838	As built drawings			10/28/10	11/1/10
839	Splicing diagram			11/1/10	11/1/10
840	Link loss report			11/1/10	11/1/10



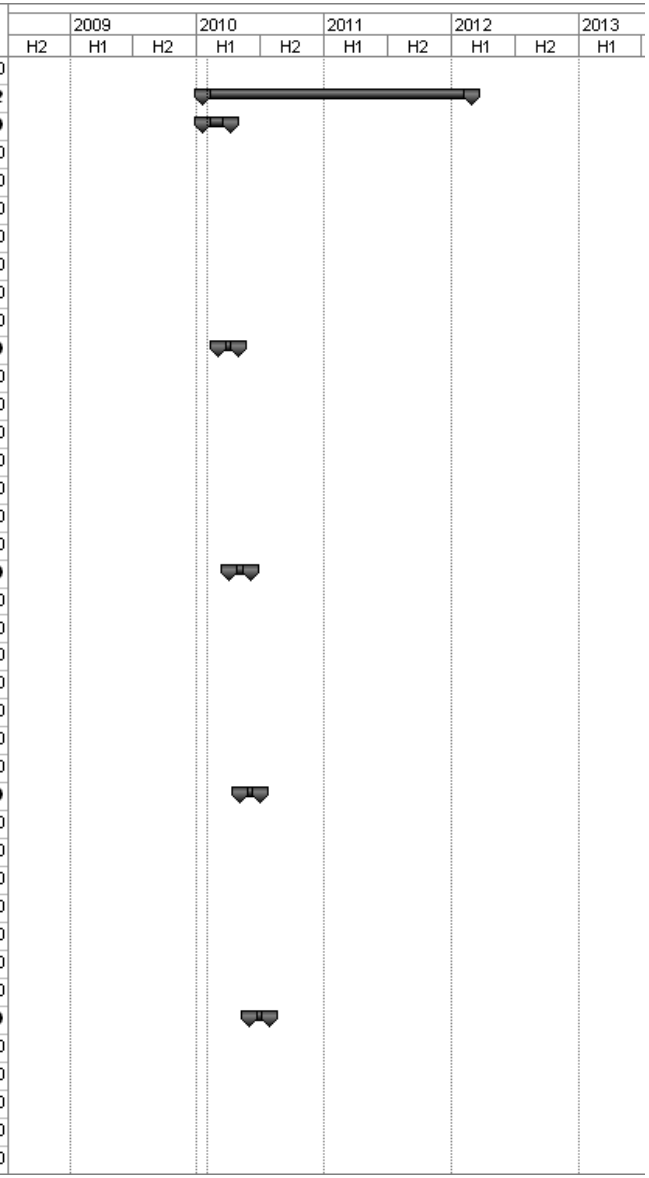
ID		Task Name	Hospital Name	Fiber Miles	Start	Finish
841		Packing slips			11/1/10	11/1/10
842		Pre-test documentation			11/2/10	11/2/10
843		**Vendor Procurement and Invoicing**			**1/18/10**	**2/29/12**
844		**OFS Fitel**			**2/15/10**	**10/13/10**
845		**Order 1**			**2/15/10**	**6/7/10**
846		Fiber Order			2/15/10	2/15/10
847		Receive invoice			3/22/10	3/22/10
848		Generate work verification report			5/5/10	5/5/10
849		Pay 15% of invoice			5/12/10	5/12/10
850		Sign payment verification (USAC form)			5/19/10	5/19/10
851		Submit USAC forms for 85% payment			5/21/10	5/21/10
852		Verify payment received by vendor			6/7/10	6/7/10
853		**Order 2**			**5/17/10**	**7/14/10**
854		Fiber Order			5/17/10	5/17/10
855		Receive invoice			6/14/10	6/14/10
856		Generate work verification report			6/17/10	6/17/10
857		Pay 15% of invoice			6/21/10	6/21/10
858		Sign payment verification (USAC form)			6/28/10	6/28/10
859		Submit USAC forms for 85% payment			6/30/10	6/30/10
860		Verify payment received by vendor			7/14/10	7/14/10
861		**Order 3**			**8/16/10**	**10/13/10**
862		Fiber Order			8/16/10	8/16/10
863		Receive invoice			9/13/10	9/13/10
864		Generate work verification report			9/16/10	9/16/10
865		Pay 15% of invoice			9/20/10	9/20/10
866		Sign payment verification (USAC form)			9/27/10	9/27/10
867		Submit USAC forms for 85% payment			9/29/10	9/29/10
868		Verify payment received by vendor			10/13/10	10/13/10
869		**AD Technologies (4-decimal places)**			**2/15/10**	**10/13/10**
870		**Order 1**			**2/15/10**	**4/22/10**
871		Conduit Order			2/15/10	2/15/10
872		Receive invoice			3/18/10	3/18/10
873		Generate work verification report			3/24/10	3/24/10
874		Pay 15% of invoice			3/29/10	3/29/10
875		Sign payment verification (USAC form)			4/6/10	4/6/10
876		Submit USAC forms for 85% payment			4/8/10	4/8/10
877		Verify payment received by vendor			4/22/10	4/22/10
878		**Order 2**			**5/17/10**	**7/14/10**
879		Conduit Order			5/17/10	5/17/10



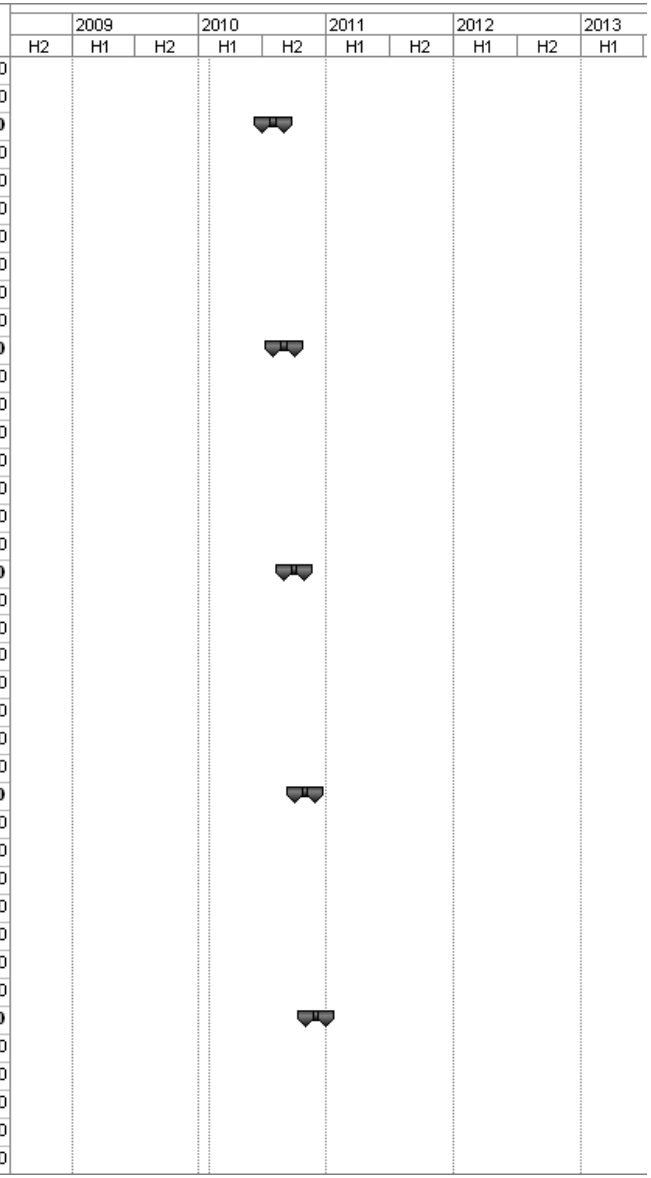
ID	Task Name	Hospital Name	Fiber Miles	Start	Finish
880	Receive invoice			6/14/10	6/14/10
881	Generate work verification report			6/17/10	6/17/10
882	Pay 15% of invoice			6/21/10	6/21/10
883	Sign payment verification (USAC form)			6/28/10	6/28/10
884	Submit USAC forms for 85% payment			6/30/10	6/30/10
885	Verify payment received by vendor			7/14/10	7/14/10
886	**Order 3**			**8/16/10**	**10/13/10**
887	Conduit Order			8/16/10	8/16/10
888	Receive invoice			9/13/10	9/13/10
889	Generate work verification report			9/16/10	9/16/10
890	Pay 15% of invoice			9/20/10	9/20/10
891	Sign payment verification (USAC form)			9/27/10	9/27/10
892	Submit USAC forms for 85% payment			9/29/10	9/29/10
893	Verify payment received by vendor			10/13/10	10/13/10
894	**Multilink**			**3/15/10**	**5/14/10**
895	**Order 1**			**3/15/10**	**5/14/10**
896	Material Order			3/15/10	3/15/10
897	Receive invoice			4/14/10	4/14/10
898	Generate work verification report			4/19/10	4/19/10
899	Pay 15% of invoice			4/21/10	4/21/10
900	Sign payment verification (USAC form)			4/28/10	4/28/10
901	Submit USAC forms for 85% payment			4/30/10	4/30/10
902	Verify payment received by vendor			5/14/10	5/14/10
903	**Fujitsu**			**4/12/10**	**6/9/10**
904	**Order 1**			**4/12/10**	**6/9/10**
905	DWDM Equipment Order			4/12/10	4/12/10
906	Receive invoice			5/7/10	5/7/10
907	Generate work verification report			5/12/10	5/12/10
908	Pay 15% of invoice			5/14/10	5/14/10
909	Sign payment verification (USAC form)			5/21/10	5/21/10
910	Submit USAC forms for 85% payment			5/25/10	5/25/10
911	Verify payment received by vendor			6/9/10	6/9/10
912	**Texcel**			**3/15/10**	**5/14/10**
913	**Order 1**			**3/15/10**	**5/14/10**
914	Cisco Equipment Order			3/15/10	3/15/10
915	Receive invoice			4/14/10	4/14/10
916	Generate work verification report			4/19/10	4/19/10
917	Pay 15% of invoice			4/21/10	4/21/10
918	Sign payment verification (USAC form)			4/28/10	4/28/10
919	Submit USAC forms for 85% payment			4/30/10	4/30/10



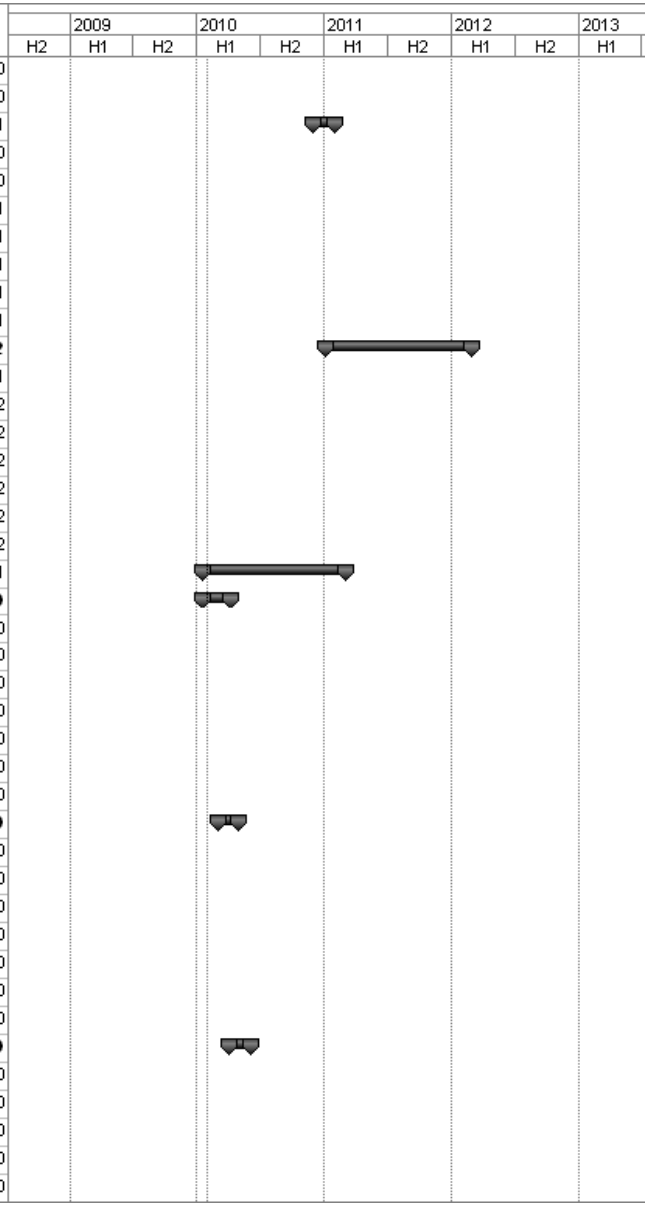
ID		Task Name	Hospital Name	Fiber Miles	Start	Finish
920		Verify payment received by vendor			5/14/10	5/14/10
921		**GIIJ Construction (4-decimal places)**			**1/18/10**	**2/29/12**
922		**Order 1**			**1/18/10**	**4/6/10**
923		Fiber Installation			1/18/10	1/18/10
924		Receive invoice			3/1/10	3/1/10
925		Generate work verification report			3/3/10	3/3/10
926		Pay 15% of invoice			3/8/10	3/8/10
927		Sign payment verification (USAC form)			3/16/10	3/16/10
928		Submit USAC forms for 85% payment			3/18/10	3/18/10
929		Verify payment received by vendor			4/6/10	4/6/10
930		**Order 2**			**3/1/10**	**4/30/10**
931		Fiber Installation			3/1/10	3/1/10
932		Receive invoice			3/31/10	3/31/10
933		Generate work verification report			4/5/10	4/5/10
934		Pay 15% of invoice			4/7/10	4/7/10
935		Sign payment verification (USAC form)			4/14/10	4/14/10
936		Submit USAC forms for 85% payment			4/16/10	4/16/10
937		Verify payment received by vendor			4/30/10	4/30/10
938		**Order 3**			**4/1/10**	**6/1/10**
939		Fiber Installation			4/1/10	4/1/10
940		Receive invoice			4/30/10	4/30/10
941		Generate work verification report			5/4/10	5/4/10
942		Pay 15% of invoice			5/6/10	5/6/10
943		Sign payment verification (USAC form)			5/13/10	5/13/10
944		Submit USAC forms for 85% payment			5/17/10	5/17/10
945		Verify payment received by vendor			6/1/10	6/1/10
946		**Order 4**			**5/3/10**	**6/30/10**
947		Fiber Installation			5/3/10	5/3/10
948		Receive invoice			5/31/10	5/31/10
949		Generate work verification report			6/3/10	6/3/10
950		Pay 15% of invoice			6/7/10	6/7/10
951		Sign payment verification (USAC form)			6/14/10	6/14/10
952		Submit USAC forms for 85% payment			6/16/10	6/16/10
953		Verify payment received by vendor			6/30/10	6/30/10
954		**Order 5**			**6/1/10**	**7/29/10**
955		Fiber Installation			6/1/10	6/1/10
956		Receive invoice			6/30/10	6/30/10
957		Generate work verification report			7/2/10	7/2/10
958		Pay 15% of invoice			7/6/10	7/6/10
959		Sign payment verification (USAC form)			7/13/10	7/13/10



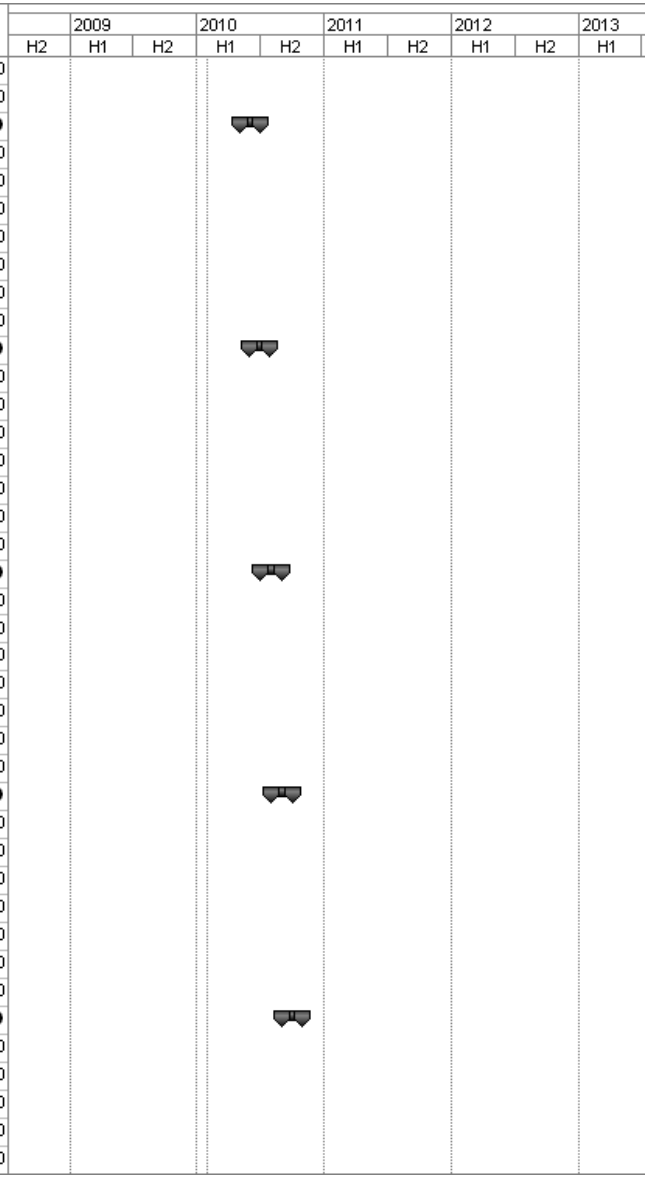
ID		Task Name	Hospital Name	Fiber Miles	Start	Finish
960		Submit USAC forms for 85% payment			7/15/10	7/15/10
961		Verify payment received by vendor			7/29/10	7/29/10
962		**Order 6**			**7/1/10**	**8/30/10**
963		Fiber Installation			7/1/10	7/1/10
964		Receive invoice			7/30/10	7/30/10
965		Generate work verification report			8/3/10	8/3/10
966		Pay 15% of invoice			8/5/10	8/5/10
967		Sign payment verification (USAC form)			8/12/10	8/12/10
968		Submit USAC forms for 85% payment			8/16/10	8/16/10
969		Verify payment received by vendor			8/30/10	8/30/10
970		**Order 7**			**8/2/10**	**9/30/10**
971		Fiber Installation			8/2/10	8/2/10
972		Receive invoice			8/31/10	8/31/10
973		Generate work verification report			9/2/10	9/2/10
974		Pay 15% of invoice			9/7/10	9/7/10
975		Sign payment verification (USAC form)			9/14/10	9/14/10
976		Submit USAC forms for 85% payment			9/16/10	9/16/10
977		Verify payment received by vendor			9/30/10	9/30/10
978		**Order 8**			**9/1/10**	**10/29/10**
979		Fiber Installation			9/1/10	9/1/10
980		Receive invoice			9/30/10	9/30/10
981		Generate work verification report			10/4/10	10/4/10
982		Pay 15% of invoice			10/6/10	10/6/10
983		Sign payment verification (USAC form)			10/13/10	10/13/10
984		Submit USAC forms for 85% payment			10/15/10	10/15/10
985		Verify payment received by vendor			10/29/10	10/29/10
986		**Order 9**			**10/1/10**	**11/30/10**
987		Fiber Installation			10/1/10	10/1/10
988		Receive invoice			10/29/10	10/29/10
989		Generate work verification report			11/2/10	11/2/10
990		Pay 15% of invoice			11/4/10	11/4/10
991		Sign payment verification (USAC form)			11/11/10	11/11/10
992		Submit USAC forms for 85% payment			11/15/10	11/15/10
993		Verify payment received by vendor			11/30/10	11/30/10
994		**Order 10**			**11/1/10**	**12/29/10**
995		Fiber Installation			11/1/10	11/1/10
996		Receive invoice			11/30/10	11/30/10
997		Generate work verification report			12/2/10	12/2/10
998		Pay 15% of invoice			12/6/10	12/6/10
999		Sign payment verification (USAC form)			12/13/10	12/13/10



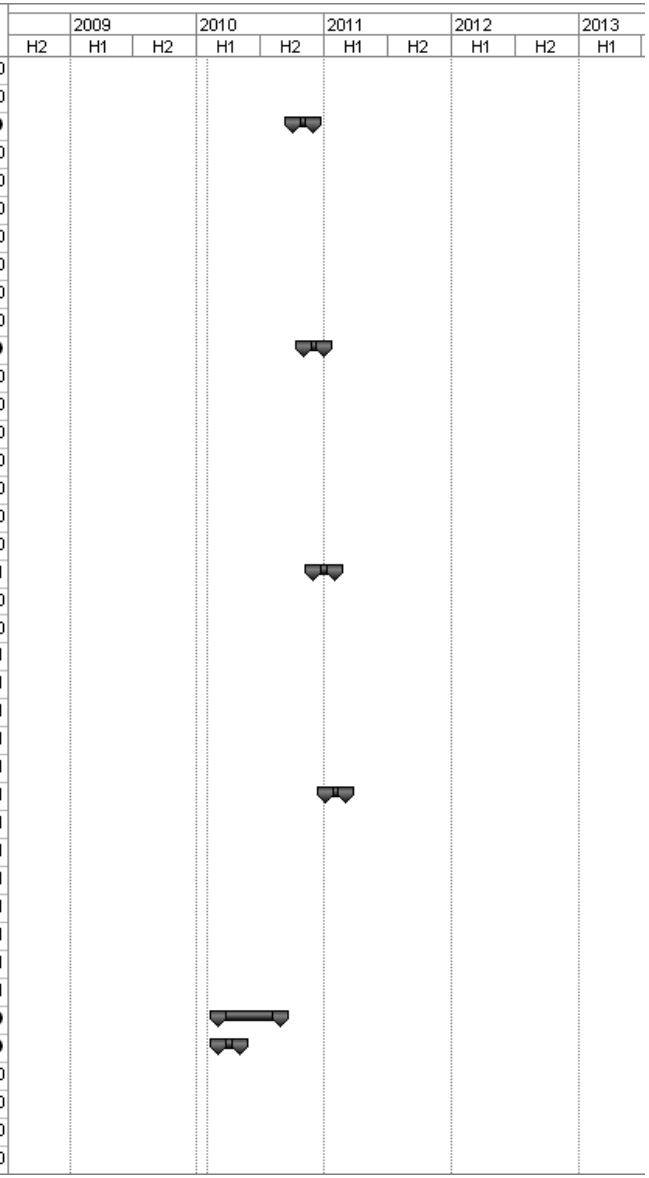
ID	Task Name	Hospital Name	Fiber Miles	Start	Finish
1000	Submit USAC forms for 85% payment			12/15/10	12/15/10
1001	Verify payment received by vendor			12/29/10	12/29/10
1002	**Order 11**			**12/1/10**	**1/31/11**
1003	Fiber Installation			12/1/10	12/1/10
1004	Receive invoice			12/31/10	12/31/10
1005	Generate work verification report			1/4/11	1/4/11
1006	Pay 15% of invoice			1/6/11	1/6/11
1007	Sign payment verification (USAC form)			1/13/11	1/13/11
1008	Submit USAC forms for 85% payment			1/17/11	1/17/11
1009	Verify payment received by vendor			1/31/11	1/31/11
1010	**Order 12**			**1/3/11**	**2/29/12**
1011	Fiber Installation			1/3/11	1/3/11
1012	Receive invoice			1/31/12	1/31/12
1013	Generate work verification report			2/2/12	2/2/12
1014	Pay 15% of invoice			2/6/12	2/6/12
1015	Sign payment verification (USAC form)			2/13/12	2/13/12
1016	Submit USAC forms for 85% payment			2/15/12	2/15/12
1017	Verify payment received by vendor			2/29/12	2/29/12
1018	**Construction Management**			**1/18/10**	**3/1/11**
1019	**Order 1**			**1/18/10**	**4/6/10**
1020	Construction Management			1/18/10	1/18/10
1021	Receive invoice			3/1/10	3/1/10
1022	Generate work verification report			3/3/10	3/3/10
1023	Pay 15% of invoice			3/8/10	3/8/10
1024	Sign payment verification (USAC form)			3/16/10	3/16/10
1025	Submit USAC forms for 85% payment			3/18/10	3/18/10
1026	Verify payment received by vendor			4/6/10	4/6/10
1027	**Order 2**			**3/1/10**	**4/30/10**
1028	Construction Management			3/1/10	3/1/10
1029	Receive invoice			3/31/10	3/31/10
1030	Generate work verification report			4/5/10	4/5/10
1031	Pay 15% of invoice			4/7/10	4/7/10
1032	Sign payment verification (USAC form)			4/14/10	4/14/10
1033	Submit USAC forms for 85% payment			4/16/10	4/16/10
1034	Verify payment received by vendor			4/30/10	4/30/10
1035	**Order 3**			**4/1/10**	**6/1/10**
1036	Construction Management			4/1/10	4/1/10
1037	Receive invoice			4/30/10	4/30/10
1038	Generate work verification report			5/4/10	5/4/10
1039	Pay 15% of invoice			5/6/10	5/6/10
1040	Sign payment verification (USAC form)			5/13/10	5/13/10



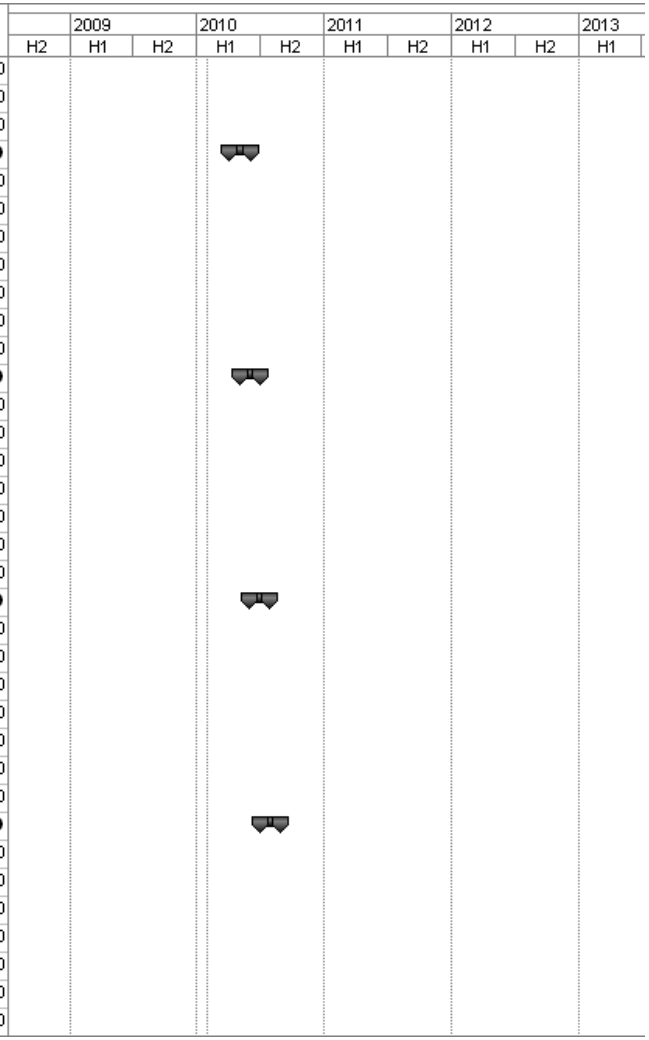
ID		Task Name	Hospital Name	Fiber Miles	Start	Finish
1041		Submit USAC forms for 85% payment			5/17/10	5/17/10
1042		Verify payment received by vendor			6/1/10	6/1/10
1043		**Order 4**			**5/3/10**	**6/30/10**
1044		Construction Management			5/3/10	5/3/10
1045		Receive invoice			5/31/10	5/31/10
1046		Generate work verification report			6/3/10	6/3/10
1047		Pay 15% of invoice			6/7/10	6/7/10
1048		Sign payment verification (USAC form)			6/14/10	6/14/10
1049		Submit USAC forms for 85% payment			6/16/10	6/16/10
1050		Verify payment received by vendor			6/30/10	6/30/10
1051		**Order 5**			**6/1/10**	**7/29/10**
1052		Construction Management			6/1/10	6/1/10
1053		Receive invoice			6/30/10	6/30/10
1054		Generate work verification report			7/2/10	7/2/10
1055		Pay 15% of invoice			7/6/10	7/6/10
1056		Sign payment verification (USAC form)			7/13/10	7/13/10
1057		Submit USAC forms for 85% payment			7/15/10	7/15/10
1058		Verify payment received by vendor			7/29/10	7/29/10
1059		**Order 6**			**7/1/10**	**8/30/10**
1060		Construction Management			7/1/10	7/1/10
1061		Receive invoice			7/30/10	7/30/10
1062		Generate work verification report			8/3/10	8/3/10
1063		Pay 15% of invoice			8/5/10	8/5/10
1064		Sign payment verification (USAC form)			8/12/10	8/12/10
1065		Submit USAC forms for 85% payment			8/16/10	8/16/10
1066		Verify payment received by vendor			8/30/10	8/30/10
1067		**Order 7**			**8/2/10**	**9/30/10**
1068		Construction Management			8/2/10	8/2/10
1069		Receive invoice			8/31/10	8/31/10
1070		Generate work verification report			9/2/10	9/2/10
1071		Pay 15% of invoice			9/7/10	9/7/10
1072		Sign payment verification (USAC form)			9/14/10	9/14/10
1073		Submit USAC forms for 85% payment			9/16/10	9/16/10
1074		Verify payment received by vendor			9/30/10	9/30/10
1075		**Order 8**			**9/1/10**	**10/29/10**
1076		Construction Management			9/1/10	9/1/10
1077		Receive invoice			9/30/10	9/30/10
1078		Generate work verification report			10/4/10	10/4/10
1079		Pay 15% of invoice			10/6/10	10/6/10
1080		Sign payment verification (USAC form)			10/13/10	10/13/10



ID	Task Name	Hospital Name	Fiber Miles	Start	Finish
1081	Submit USAC forms for 85% payment			10/15/10	10/15/10
1082	Verify payment received by vendor			10/29/10	10/29/10
1083	**Order 9**			**10/1/10**	**11/30/10**
1084	Construction Management			10/1/10	10/1/10
1085	Receive invoice			10/29/10	10/29/10
1086	Generate work verification report			11/2/10	11/2/10
1087	Pay 15% of invoice			11/4/10	11/4/10
1088	Sign payment verification (USAC form)			11/11/10	11/11/10
1089	Submit USAC forms for 85% payment			11/15/10	11/15/10
1090	Verify payment received by vendor			11/30/10	11/30/10
1091	**Order 10**			**11/1/10**	**12/29/10**
1092	Construction Management			11/1/10	11/1/10
1093	Receive invoice			11/30/10	11/30/10
1094	Generate work verification report			12/2/10	12/2/10
1095	Pay 15% of invoice			12/6/10	12/6/10
1096	Sign payment verification (USAC form)			12/13/10	12/13/10
1097	Submit USAC forms for 85% payment			12/15/10	12/15/10
1098	Verify payment received by vendor			12/29/10	12/29/10
1099	**Order 11**			**12/1/10**	**1/31/11**
1100	Construction Management			12/1/10	12/1/10
1101	Receive invoice			12/31/10	12/31/10
1102	Generate work verification report			1/4/11	1/4/11
1103	Pay 15% of invoice			1/6/11	1/6/11
1104	Sign payment verification (USAC form)			1/13/11	1/13/11
1105	Submit USAC forms for 85% payment			1/17/11	1/17/11
1106	Verify payment received by vendor			1/31/11	1/31/11
1107	**Order 12**			**1/3/11**	**3/1/11**
1108	Construction Management			1/3/11	1/3/11
1109	Receive invoice			1/31/11	1/31/11
1110	Generate work verification report			2/2/11	2/2/11
1111	Pay 15% of invoice			2/4/11	2/4/11
1112	Sign payment verification (USAC form)			2/11/11	2/11/11
1113	Submit USAC forms for 85% payment			2/15/11	2/15/11
1114	Verify payment received by vendor			3/1/11	3/1/11
1115	**Make Ready and Permits**			**3/1/10**	**8/27/10**
1116	**Order 1**			**3/1/10**	**5/4/10**
1117	Make Ready			3/1/10	3/1/10
1118	Receive invoice			4/1/10	4/1/10
1119	Generate work verification report			4/7/10	4/7/10
1120	Pay 15% of invoice			4/9/10	4/9/10



ID		Task Name	Hospital Name	Fiber Miles	Start	Finish
1121		Sign payment verification (USAC form)			4/16/10	4/16/10
1122		Submit USAC forms for 85% payment			4/20/10	4/20/10
1123		Verify payment received by vendor			5/4/10	5/4/10
1124		**Order 2**			**4/1/10**	**6/1/10**
1125		Make Ready			4/1/10	4/1/10
1126		Receive invoice			4/29/10	4/29/10
1127		Generate work verification report			5/4/10	5/4/10
1128		Pay 15% of invoice			5/6/10	5/6/10
1129		Sign payment verification (USAC form)			5/13/10	5/13/10
1130		Submit USAC forms for 85% payment			5/17/10	5/17/10
1131		Verify payment received by vendor			6/1/10	6/1/10
1132		**Order 3**			**5/3/10**	**6/30/10**
1133		Make Ready			5/3/10	5/3/10
1134		Receive invoice			5/28/10	5/28/10
1135		Generate work verification report			6/3/10	6/3/10
1136		Pay 15% of invoice			6/7/10	6/7/10
1137		Sign payment verification (USAC form)			6/14/10	6/14/10
1138		Submit USAC forms for 85% payment			6/16/10	6/16/10
1139		Verify payment received by vendor			6/30/10	6/30/10
1140		**Order 4**			**6/1/10**	**7/28/10**
1141		Make Ready			6/1/10	6/1/10
1142		Receive invoice			6/28/10	6/28/10
1143		Generate work verification report			7/1/10	7/1/10
1144		Pay 15% of invoice			7/5/10	7/5/10
1145		Sign payment verification (USAC form)			7/12/10	7/12/10
1146		Submit USAC forms for 85% payment			7/14/10	7/14/10
1147		Verify payment received by vendor			7/28/10	7/28/10
1148		**Order 5**			**7/1/10**	**8/27/10**
1149		Make Ready			7/1/10	7/1/10
1150		Receive invoice			7/28/10	7/28/10
1151		Generate work verification report			8/2/10	8/2/10
1152		Pay 15% of invoice			8/4/10	8/4/10
1153		Sign payment verification (USAC form)			8/11/10	8/11/10
1154		Submit USAC forms for 85% payment			8/13/10	8/13/10
1155		Verify payment received by vendor			8/27/10	8/27/10



9.0 Network Sustainability Model

1. Analysis of the costs anticipated under the accepted bid proposals received in response to the HealthNet FCC RHCPP Network Infrastructure Procurement Request for Proposal, (FY 2008, RFP) affirms that the OneCommunity/NEO RHIO HealthNet Sustainability Plan described in the RHCPP application is reasonable and valid.

2. **OneCommunity/NEO RHIO will be the owner operator of HealthNet** and provide network services to the HealthNet members funded under the FCC RHCPP grant.

    a. The HealthNet model is based on investing and capitalizing fiber/network assets on behalf of the community with the intended purpose of providing community subscribers access to high capacity fiber network services while lowering subscriber operational expenses. OneCommunity is a non-profit organization focused on using technology to address the community's top social priorities. As a result OneCommunity has attracted over $50 million in new stakeholder and private investment for community based projects.
    b. OneCommunity/NEO RHIO currently provides HealthNet network services to over 62 acute care hospitals and clinics. Subscribers of these services contribute capital and monthly recurring service fees under a 5 years' operating agreement with options extend services on a yearly basis thereafter.
    c. RHC HealthNet Subscribers will pay a 50% of the cost for a fully redundant 1 Gbps fiber connection. This is an 85% reduction in operating costs for similar services and provides sufficient earned income to cover on-going operational expenses associated with the rural deployment of HealthNet.

3. **OneCommunity/NEO RHIO will fund 15% matching dollars** necessary to complete the project and proposed budget specific to HealthNet and additional capacity build-out..

    a. HealthNet contributions, service fees of over $1 Million
    b. 10 Year long term capital note of $3.5 Million
    c. Budgeted Earned Income/Expenses

	5 Year Impact & Program Forecast Based on FCC RHCPP					
	Start-Up 2009	12 months 2010	12 months 2011	12 months 2012	12 months 2013	5 Year Total Total
Earned Income Enabled by FCC RHCPP and Additional Capacity Build-Out						
Funds from Financing						-
FCC RHCP Grant Re-Imbursement Revenue	6,107,139	5,179,842		-	-	11,286,982
Additional Capacity Fiber Build-Out	1,837,908	2,845,625				4,683,533
Access Services	100,530	1,607,055	3,292,402	4,825,805	6,207,263	16,033,055
Integration Non Recurring Charge	277,233	1,249,817	1,254,000	1,254,000	1,254,000	5,289,050
Total Earned Income	**8,322,811**	**10,882,339**	**4,546,402**	**6,079,805**	**7,461,263**	**37,292,619**
Expenses						
Staffing Additions	-	6,563	185,764	402,822	661,497	1,256,646
FCC Contract Services	1,616,470	5,647,478	-	-	-	7,263,948
FCC Capital	4,781,527	-	-	-	-	4,781,527
Additional Capacity Fiber Build-Out	1,216,958	1,849,656				3,066,614
Access Services	56,740	998,324	2,109,527	3,196,420	4,259,001	10,620,012
Capital - Integration Non Recurring Charge	144,250	662,508	664,600	664,600	664,600	2,800,558
Total Expense	**7,815,945**	**9,157,966**	**2,774,127**	**3,861,020**	**4,923,601**	**28,532,660**
Earnings Before Interest and Taxes	**506,865**	**1,724,373**	**1,772,275**	**2,218,785**	**2,537,662**	**8,759,960**
$3,500,000 term interest and Pay		212,325	509,580	509,580	509,580	1,741,065
Interest on Capital Line	(4,662)	(36,793)	-	-	-	(41,454)
NetEarned Income over Expenses	**511,527**	**1,548,841**	**1,262,695**	**1,709,205**	**2,028,082**	**7,060,349**

4. **Earned Income/Overcapacity requests for rural access outside of the qualified HealthNet subscribers will require additional capital investments from OneCommunity and from the requesting subscribers** for the development, implementation and operations to support the expansion and development of any additional capacity.

    a. OneCommunity will invest additional funding to support fiber build-out as required to connect non-HealthNet subscribers.
    b. Earned Income; In addition to HealthNet subscribers other public interest groups from schools, libraries, non-profits, local, county and state government are requesting access to the fiber network and are proposing to contribute dollars for additional capital deployment and operational expenses which will provide additional earned income to cover our regional operating and maintenance of the fiber/wireless network.
        i. Capital contribution in proportion to the subscribers use of the fiber network
        ii. Earned Income at a non-discounted FCC RHCPP rate
    c. Local, county and state government organizations have engaged OneCommunity/NEO RHIO to investigate and lead efforts for additional ARRA funding to address the region's top social priorities facing our public interest in rural, unserved and underserved communities. OneCommunity/NEO RHIO will be seeking additional funding sources to cover the needs of our rural and unserved communities.

5. **OneCommunity has over 5 years of operational sustainability** and has created an operational business model that will ensure sustainability throughout the useful life (e.g., 20 years) of the regional fiber plant and has operated EBITA positive every year since it was created in 2003.

    a. Existing operational fiber network supporting over 62 hospitals and clinics and over 350 fiber subscribers.
        i. Minimum term of the contract is 60 months. Subscribers sign up for a 5 year operational support agreement with options to extend service on an annual basis thereafter.
        ii. Fiber Construction/Capital investments for long-term services such as IRUs are entered in a minimum of 10 years with options for 5 year extensions thereafter.
    b. Expanded FCC RHCPP fiber plant serving rural health care acute hospitals and clinics as an extension of the existing regional/urban fiber infrastructure requires a marginal annual operational investment of $200K annually fully funded under the existing operational agreements for the rural hospital build-out.

6. The following are the sustainability plans for each proposed scenario:

    a. ***First Scenario:***
    In the event that the FCC replaces the current RHC program with a program that mirrors the Pilot Project, the HealthNet partners will be able to maintain the network as designed and potentially accelerate further network development through a further reduction in operating expenses. HealthNet subscribers would directly benefit from additional investment and see a further reduction in expenses; easily enabling them to cover the 15% cost match for access to the HealthNet network. The network partners would continue to fund their portions of the costs out of operations.

    b. Second Scenario:
    In this scenario all universal service funding for rural health care organizations is phased out. The current RHC program has contributed to the deployment of a regional fiber plant with a long term life (e.g., greater than 20 years) to the benefit of its HealthNet partners. The network offers significantly greater capacity to HealthNet subscribers for substantially lower fees than they have in the past. HealthNet subscribers will have no trouble sustaining the current level of operating costs without the RHC subsidies. These costs have been manageable and are funded out of current operating budgets. Since the current RHC program does not fund excess capacity partner organizations will continue to fund any additional capital costs necessary for expanded connectivity through their respective capital plans.

The following table provides details of estimated costs for each of the two scenarios described in the Sustainability Plan above. Rural Health Care reimbursements are estimated based on the current Program, where possible.

In year 3 and beyond, NEO RHIO anticipates two possible scenarios related to sustainability. In the **first scenario**, the Pilot Project replaces the current Universal Service, Rural Health Care (RHC) program and funding continues at up to 85%. In the **second scenario**, the FCC phases out and eventually eliminates all funding.

				Connectivity		Annual Cost		
Facility	City	State	Partner	Circuit (Mbps)	Gross MRC	Scenario 1	Scenario 2	Notes
Samaritan Regional Health System	Ashland	Ohio	NEO RHIO	1,000	1,236	2,225	14,832	
Ashtabula County Medical Center	Ashtabula	Ohio	NEO RHIO	1,000	1,236	2,225	14,832	
Glenbeigh of Rock Creek	Ashtabula	Ohio	NEO RHIO	1,000	1,236	2,225	14,832	
Jefferson Health Center	Jefferson	Ohio	NEO RHIO	1,000	1,236	2,225	14,832	
Conneaut Medical Center	Conneaut	Ohio	NEO RHIO	1,000	1,236	2,225	14,832	
Geneva Medical Center	Geneva	Ohio	NEO RHIO	1,000	1,236	2,225	14,832	
Firelands Regional Medical Center	Sandusky	Ohio	NEO RHIO	1,000	1,236	2,225	14,832	Scenario 1
Fisher Titus Medical Center	Norwalk	Ohio	NEO RHIO	1,000	1,236	2,225	14,832	Assumes RHC USF Funding of $85%
H.B. Magruder Memorial Hospital	Clinton	Ohio	NEO RHIO	1,000	1,236	2,225	14,832	Scenario 2
Bellevue	Bellevue	Ohio	NEO RHIO	1,000	1,236	2,225	14,832	Assumes RHC USF Does Not provide any future funding
Memorial	Fremont	Ohio	NEO RHIO	1,000	1,236	2,225	14,832	
Twin City	Dennison	Ohio	NEO RHIO	1,000	1,236	2,225	14,832	
Union Hospital	Dover	Ohio	NEO RHIO	1,000	1,236	2,225	14,832	
Wooster Community	Wooser	Ohio	NEO RHIO	1,000	1,236	2,225	14,832	
Coshocton County Memorial Hospital	Coshocton	Ohio	NEO RHIO	1,000	1,236	2,225	14,832	
East Liverpool City Hospital	East Liverpool	Ohio	NEO RHIO	1,000	1,236	2,225	14,832	

Excess Bandwidth and Excess Capacity Scenarios

Scenario 1: ***Participant Owns 100% of Dedicated Network; No-Excess Bandwidth or Excess Capacity for Use by Other Network Members or Non-Network Members***

The participant contracts with vendor to construct dedicated network capacity for current eligible HCP members[1], with the participant getting ownership of the fiber or an IRU. The participant owns 100% of the fiber, or an IRU. The participant pays not less than 15% of the eligible costs for the IRU, and universal service funds pay for not more than 85% of such eligible costs.

An IRU is for the specified bandwidth/number of fibers only, and excess capacity is not likely to be an issue. Any capacity paid for by universal service funds belong to the participant.

In the case of an IRU, the participant does not control how much additional capacity the vendor builds on its own, because the price paid by the participant for the IRU is set by competitive bidding.[(2)] However, in reviewing bids, a participant should receive sufficient information to determine whether it is paying construction costs. See Scenario 7. If the price is based on construction costs and the participant is paying more than a fair share of construction costs, an IRU would not be appropriate, and the participant should obtain ownership (possibly joint ownership) of what is being constructed.

The participant must certify selection of the most cost-effective bid and USAC will verify that cost was a primary factor in selection.

20 Year HealthNet Program Forecast

	Start-Up 2010	12 months 2011	12 months 2012	12 months 2013	12 months 2014	12 months 2015	12 months 2016	12 months 2017	12 months 2018	12 months 2019	12 months 2020
FCC RHCPP Revenue											
Investment	1,565,143	1,565,143									
Internet Access		90,000	117,000	152,100	197,730	257,049	282,754	311,029	342,132	376,345	413,980
Internet 2/National Lambda Rail Connection	102,000	107,100	112,455	118,078	123,982	130,181	143,199	157,519	173,271	190,598	209,657
1 Gbps access (Redundant Ring Architecture)		279,000	651,000	971,850	1,339,200	1,581,000	1,739,100	1,913,010	2,104,311	2,314,742	2,546,216
PSTN / SIP trunking		420,000	546,000	709,800	922,740	1,199,562	1,319,518	1,451,470	1,596,617	1,756,279	1,931,907
Integration Non Recurring Charge		196,000	294,000	308,700	324,135	340,342	374,376	411,814	452,995	498,294	548,124
Total Revenue	1,667,143	2,657,243	1,720,455	2,260,528	2,907,787	3,508,133	3,858,947	4,244,841	4,669,326	5,136,258	5,649,884
Staffing/Engineering & Construction	1,565,143	1,565,143									
Internet Access		29,700	38,610	50,193	65,251	84,826	93,309	102,640	112,904	124,194	136,613
Internet 2/National Lambda Rail Connection	102,000	96,900	98,838	100,815	102,831	104,888	106,985	109,125	111,308	113,534	115,804
1 Gbps access (Redundant Ring Architecture)		209,250	423,150	631,703	870,480	1,027,650	1,130,415	1,243,457	1,367,802	1,504,582	1,655,041
PSTN / SIP trunking		300,000	436,800	567,840	738,192	959,650	1,055,615	1,161,176	1,277,294	1,405,023	1,545,525
Depreciation Costs		763,528	849,956	885,589	893,929	909,850	950,410	978,841	822,018	773,189	780,795
Total Expense	1,667,143	2,964,521	1,847,354	2,236,139	2,670,683	3,086,863	3,336,734	3,595,238	3,691,325	3,920,522	4,233,779
Net Revenue over (Expenses)	-	(307,278)	(126,899)	24,388	237,104	421,270	522,213	649,603	978,000	1,215,736	1,416,105

20 Year HealthNet Program Forecast

	12 months 2021	12 months 2022	12 months 2023	12 months 2024	12 months 2025	12 months 2026	12 months 2027	12 months 2028	12 months 2029	12 months 2030
FCC RHCPP Revenue										
Investment										
Internet Access	455,378	500,916	551,007	606,108	666,719	733,391	806,730	887,403	976,143	1,073,757
Internet 2/National Lambda Rail Connection	230,623	253,685	279,054	306,959	337,655	371,421	408,563	449,419	494,361	543,797
1 Gbps access (Redundant Ring Architecture)	2,800,838	3,080,922	3,389,014	3,727,915	4,100,707	4,510,778	4,961,855	5,458,041	6,003,845	6,604,229
PSTN / SIP trunking	2,125,097	2,337,607	2,571,368	2,828,504	3,111,355	3,422,490	3,764,739	4,141,213	4,555,335	5,010,868
Integration Non Recurring Charge	602,936	663,230	729,553	802,508	882,759	971,035	1,068,138	1,174,952	1,292,447	1,421,692
Total Revenue	6,214,872	6,836,360	7,519,996	8,271,995	9,099,195	10,009,114	11,010,026	12,111,028	13,322,131	14,654,344
Staffing/Engineering & Construction										
Internet Access	150,275	165,302	181,832	200,016	220,017	242,019	266,221	292,843	322,127	354,340
Internet 2/National Lambda Rail Connection	118,121	120,483	122,893	125,350	127,857	130,415	133,023	135,683	138,397	141,165
1 Gbps access (Redundant Ring Architecture)	1,820,545	2,002,599	2,202,859	2,423,145	2,665,459	2,932,005	3,225,206	3,547,727	3,902,499	4,292,749
PSTN / SIP trunking	1,700,078	1,870,086	2,057,094	2,262,804	2,489,084	2,737,992	3,011,792	3,312,971	3,644,268	4,008,695
Depreciation Costs	824,171	867,722	895,554	945,776	1,003,531	574,011	574,011	574,011	574,011	574,011
Total Expense	4,613,188	5,026,192	5,460,233	5,957,091	6,505,949	6,616,442	7,210,252	7,863,234	8,581,302	9,370,959
Net Revenue over (Expenses)	1,601,684	1,810,168	2,059,763	2,314,904	2,593,246	3,392,672	3,799,774	4,247,794	4,740,829	5,283,385

10.0 Detail on How the Supported Network Has Advanced Telemedicine Benefits

The goal of HealthNet is to extend the current network and install additional gigabyte optical fiber connections to hospitals in the rural areas of Northeastern Ohio. In order to provide the levels of broadband that are required for Health Information Exchange (HIE) and telemedicine applications, the kinds of services that are routinely available in rural areas are not sufficient. Typically, rural areas may have access to T1 circuits (1 .5 Mbps), but generally these services are extremely expensive and there are typically no services faster than T1 available at an affordable and sustainable price.

In order to satisfactorily transmit and receive medical imaging, and to improve the quality of medical care that can be provided, speeds in a different order of magnitude are required. HealthNet will provide 100 Mbps of bandwidth, upstream and downstream, to all locations connected via wireless, and will provide 1 gigabit of bandwidth, upstream and downstream, to all locations connected via fiber. In our proposed network design, over 80% of the locations included in our proposal will have the benefit of at least 1 gigabit.

Transport capability provides for advanced services that augment the distribution and aggregation of medical records. Services such as voice over IP and full duplex video provide a positive impact to the sustainability model and reduces operational costs for healthcare customers.

Shared services across a common high-speed network infrastructure can eliminate redundant operational costs. In addition, shared services builds on standardization which reduces cost through increased efficiency.

11.0 Compliance with HHS Health IT Initiatives

OneCommunity/NEO RHIO are uniquely positioned to help local and regional health care facilities along with a state OHIP-led, REC achieve its EHR adoption, meaningful use, and HIE objectives throughout the entire Northern portion of Ohio, especially (but not limited to) rural areas. OneCommunity's reach - which mirrors the areas touched by its federally-funded and State-supported broadband initiatives - extends into 58 of Ohio's 88 counties, touches 80% of the State's population, and provides unparalleled access to several thousand priority providers representing 100's of hospitals, clinics and 1000's of priority practices.

More than 60 hospitals and clinics are served by one of OneCommunity's broadband projects (two thirds of them are rural). For instance, broadband infrastructure is already being deployed (construction beginning November 2009) to dozens of rural facilities in Northeastern Ohio under the $11M, FCC-funded HealthNet project. An additional $163M (funding decision pending) will be used to extend similar infrastructure and services throughout the aforementioned Northern Ohio counties, with $30M set aside for public interest sites (including health care facilities).

The importance of these facilities - and OneCommunity's existing relationship with them - to the success of the REC cannot be overstated. Rural hospitals represent the ideal channel for engaging and supporting priority providers who admit patients to those hospitals. Most - if not all - of these hospitals have been developing or are already struggling to execute strategies to deliver (and even partially fund) EHRs to affiliated practices. Many are finding that they don't have the human or financial resources to fully support this, even without considering the additional resources required to help their community affiliates achieve meaningful use. Working collaboratively (and perhaps even sharing resources) with OneCommunity and the REC, these hospitals will help to ensure the sustainability and success not only of their individual community strategy, but

of the REC itself. In short, OneCommunity's relationships with these "last mile" hospitals will help to ensure access to all priority providers and streamline the REC's operational efficiency.

In order to help fulfill the REC's meaningful use mission in Northern Ohio, OneCommunity has already formed a collaborative including several other regionally-based organizations, including Ohio KePRO, Better Health Greater Cleveland, and NEO RHIO. KePRO - the Medicare QIO for Ohio, based in Cleveland - has been doing foundational meaningful use work throughout Ohio for the past several years. They are prepared to ramp up staffing and thus provide the so-called "boots on the ground" needed to provide actual technical assistance services to the practices recruited through OneCommunity's hospital relationships. Better Health Greater Cleveland (BHGC) - the regional Aligning Forces for Quality organization funded by the Robert Wood Johnson Foundation initially in 2007 - is perhaps the nation's (and certainly Ohio's) leading expert on how to improve clinical performance with and extract quality data from EHRs. Through OneCommunity and the REC, BHGC will be able to effectively and efficiently "distribute" this know-how beyond Cuyahoga County to the far corners of the region. NEO RHIO - directly supported by OneCommunity in its early stages - will help OneCommunity and recruited practices address health information exchange (HIE) and interoperability aspects of meaningful use, as well as to synchronize and integrate with State HIE infrastructure and policy.

OneCommunity has also already engaged numerous other regionally-relevant organizations, each of whom will support one or more aspects of the REC's mission, including adoption, education, informatics workforce development / job placement, and public health. For the moment, these organizations primarily represent Northeastern Ohio (and mostly the Cleveland / Akron-Canton corridor) but OneCommunity is prepared to rapidly engage similar organizations throughout Northern Ohio. Those organizations that have already declared their intent to support regional REC-related activities through OneCommunity include professional societies (the Academy of Medicine of Cleveland and Northern Ohio), hospital associations (the Center for Health Affairs and the Akron Regional Hospital Association), hospitals (University Hospitals Health System, Mercy Hospital System, Summa), FQHCs (Neighborhood Family Practice of Cleveland), institutions of higher learning (Case Western Reserve University, Cuyahoga Community College), health plans (Medical Mutual of Ohio), health departments (Cleveland Department of Public Health and the Cuyahoga County Board of Health), business coalitions (Health Action Council), and workforce agencies (the Cuyahoga County Workforce Development Board).

Lastly, for the past two years, OneCommunity has been leading the Community Clinical Data Sharing Network (CCDSN) project, funded by United Way. Under this project, OneCommunity has been helping a half-dozen FQHCs and free clinics select, acquire and implement EHRs in a way that will ensure community interoperability. OneCommunity will leverage this experience to extend similar services to priority practices - especially those serving rural and other underserved populations - throughout the region.
In addition to the local/regional efforts OneCommunity and NEO RHIO are working with local and other state Telehealth partners to create a statewide approach for Telehealth services.

12.0 Network Coordination with the Department of Health and Human Services (HHS)

HealthNet has become the interconnected framework for inter hospital and health information throughout the region and is supporting health information exchange locally and as appropriate through Internet2 and National Lambda Rail nationally. Numerous R&D and data pilots have developing supporting local and national HER/HIE services.
OneCommunity/NEO RHIO are working with numerous counties, the regional Health Action Council, public health officials and others for the development of a number of medical home initiatives for the development of emergency communications for emergency and public health response.

OneCOmmunity/NEO RHIO are also working with statewide Health Services and the Governors creation of the Ohio Health Information Partnership to provide an integrated regional/statewide solution for HER/HIE and public health management.

Statewide Strategy

The Ohio Health Information Partnership (OHIP) has received approval through the Office of the National Coordinator (ONC) to submit its full application to serve as the statewide regional extension center (REC) for Ohio. The application identifies three principal objectives for OHIP's approach in pursuing a statewide extension center. These objectives are:

1. To integrate and synchronize adoption activities with the statewide health information exchange (HIE);
2. To coordinate a statewide strategy that ensures statewide adoption, especially in rural areas; and
3. To ensure a consistent level of quality for health information technology (HIT) support services offered statewide in support of both electronic health record (EHR) adoption and subsequent use.

OHIP has identified that many of the resources needed to achieve widespread adoption of EHRs and the achievement of meaningful use by health care providers already exist within the state. These resources, however, are not currently coordinated in an effort that best supports the broader health care community. It is the intention of OHIP to create regional partnerships with existing entities to create a coordinated effort that will provide Ohio's health care community with the resources necessary to adopt EHRs and achieve meaningful use. These regional partners may include, but are not limited to, hospitals systems, physician groups, quality improvement organizations, universities and community colleges, professional associations, consultants and operational HIEs. OneCommunity/NEO RHIO have indorsed and committed to providing regional support for the State OHIP initiative.

HIE and EHR synchronization

One step in creating an effective, coordinated effort is identifying that there is a natural correlation between EHRs and an HIE. Providers are driven to adopt EHRs not only to obtain efficiencies in their office, but to increase the quality, safety and efficiency of patient care through the seamless ability to exchange health information with other providers of care. The value of an HIE to a provider is directly related to the number of HIE participants and the timeliness and type of data exchanged pertaining to their patients. For many health care providers, especially small practices and primary care providers, the cost and effort associated with purchasing, implementing and utilizing an EHR is only justified if an HIE is available. As more participants use EHRs to link their patient's health information to an HIE, the value of the HIE increases. For this reason, OHIP/OneCommunity will develop these two roles in tandem.

Statewide Adoption of EHRs

Ohio has several large urban communities that are home to some of the most technologically advanced health care providers in the country. In contrast, approximately 20% of Ohio's population lives in a rural area that may lack the necessary resources and infrastructure to support the adoption of EHRs. Therefore, it is critical to have a strategy that supports the statewide adoption of EHRs. Without this focus, small group and rural providers who need the most help with adoption run the risk of being neglected.
To ensure comprehensive, statewide adoption, we will develop a transparent and competitive process to identify and select its regional partners. A designated regional partner may be a collaboration of entities that work together to serve their region. An example of this concept is a hospital system, physician's group, local HIE and community college that work together to create a single regional entity. This is just an example of entities that may collaborate but is not an exhaustive list of possibilities. These partners must currently provide educational or technical EHR support and commit to work with both urban and rural areas to ensure statewide coverage and meet the goals OHIP has established. Due to the breadth of knowledge and experience required from these regional partners, a collaboration of entities will have the capacity to meet those goals. OHIP plans to divide the state into regions and request that these potential partners provide plans to serve their respective regions.

Consistent Quality

To ensure consistent quality, the REC application has outlined three levels of achievement: REC program outcomes, provider-specific milestones and meaningful use criteria. At the program level, the Health Information Technology Regional Center (HITRC) has established the required outcomes that each regional partner must accomplish such as increasing the number of priority primary care providers that are actively using EHRs. On the provider level, the HITRC has articulated the three milestones that every provider must meet such as adopting EHRs, going live with their EHR and meeting the meaningful use requirements of an EHR. Finally, the Department of Health and Human Services (HHS) has developed meaningful use criteria that will be required to meet the third milestone established by HITRC.

To assist providers in meeting these milestones, OHIP will establish core requirements and materials for its regional partners to ensure that every provider, regardless of geographic location, receives the consistent quality necessary to achieve meaningful use EHR services. While OHIP plans to establish core requirements and materials consistent with HITRC guidance, they do not plan to specify how regional partners must achieve their objectives. The goal is to ensure that each region is receiving the same quality while allowing regional partners to develop flexible delivery models to meet their specific geographic needs. Focusing on milestones and not process is important when taking into account the cultural, market, and political differences within health care delivery depending on each region in the state. For example, the way in which these services are delivered in the Cleveland metropolitan area will be different from the way in which those services are delivered in an Appalachian region and both may different from how those services are delivered in the Cincinnati metropolitan area. OHIP's strategy would allow different approaches in different regions while still achieving the same outcomes.

Service Delivery Overview

Under OHIP's proposed regional partnership model, some services will be provided directly by OHIP while other services will be provided through regional partners or delivered through a coordinated effort of both OHIP and the regional partner. The following section outlines whether OHIP, the regional partner or both will provide the service to the provider.

- Education and Outreach Services
  Responsible Party: Joint

OHIP will be responsible for developing core course materials and online resources to be used by our regional partners consistent with information provided through the HITRC.

Regional partners will be responsible for disseminating materials to providers in their regions, providing individual and group training sessions, providing supplemental materials related to the specific needs of their region and making individual provider visits when necessary.

- National Learning Consortium
  Responsible Party: OHIP

OHIP will be responsible for representing Ohio in HITRC events. They will also convey Ohio's needs and position in federally led efforts. OHIP will collect and disseminate information to regional partners via the education and outreach services as well as through regular communication methods.

- Vendor Selection & Group Purchasing
  Responsible Party: OHIP

OHIP will work with its board members, regional partners and others to structure group-purchasing opportunities. The goal is to identify discounted EHR opportunities through bulk purchasing or existing HIE networks. These opportunities do not represent preferred nor required vendors, but are simply an identification of discounted systems offerings.

- Implementation and Project Management
  Responsible Party: Regional partners

Regional partners will be responsible for supplying direct technical assistance and project management services to individual providers working to achieve meaningful use through the implementation of an EHR. Services should include individualized and on-site coaching, consultation, troubleshooting, organizational readiness, IT infrastructure assessments and remediation, software configuration, system optimization and training for all staff.

- Practice and Workflow Redesign
  Responsible Party: Regional partners

Regional partners will be responsible for providing direct, hands-on assistance to the providers who would like to achieve EHR meaningful use. These services include redesigning and documenting related clinical and administrative processes and assisting in tailoring functions and policies for clinicians and support staff so that clinical and administrative efficiency can be achieved.

Additionally, regional partners will need to ensure that each practice is meeting HHS's defined criteria for meaningful use by payment year, such as:

- Implementing electronic administrative transactions,
- Utilizing electronic prescribing,
- Participating in electronic laboratory ordering and receipt of results,
- Sharing key clinical data across practice settings,
- Providing patient access to their health information,
- Public health reporting, and
- The adoption of policies and practices that protect the privacy and security of personal health information.

- Functional Interoperability and HIE
  Responsible Party: Joint

Through its role in managing the statewide HIE, OHIP will identify detailed technical and participation requirements for connecting to the statewide HIE. Additionally, OHIP will work with any exchange functioning within Ohio to help maintain consistent standards for providers needing to access the statewide exchange through any HIE.
The regional partners will assist individual providers through the technical process of connecting to a local HIE or directly to the statewide HIE.

- Privacy and Security Best Practices
  Responsible Party: OHIP

OHIP will publish best practices and share national standards relating to security and privacy. Regional partners will be responsible for ensuring that individual providers are aware of and implement these practices and standards.

- Local Workforce Support
  Responsible Party: Joint

OHIP will help coordinate and establish training for workforce support services at a statewide level in conjunction with the higher education system and other statewide training providers. These services will be available through our regional partners.

Regional partners will be responsible for utilizing the statewide services established by OHIP. Additionally, regional partners should work with local organizations to supplement and customize the statewide services.